

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130  
Bureau of Laboratory Sciences

02-14-12

Dear ADA Whalen:

Enclosed is the discovery packet for Commonwealth V [REDACTED]

[REDACTED] Enclosed are copies of the following information:

1. The Drug Laboratory Receipt
2. The Drug Laboratory Control Cards
3. The Drug Powder Analysis Forms and Gas Chromatography Results
4. The GC/MS Confirmatory Data

I was the custodial chemist in this case and Kate Corbett was the confirmatory chemist. If you would like to discuss this case, please feel free to call me directly at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter Piro".

Peter Piro  
GC/MS Laboratory Supervisor I  
Department of Public Health  
Hinton State Laboratory Institute  
Forensic Drug Laboratory, Rm 361  
305 South Street  
Jamaica Plain, Ma 02130  
617-983-6634  
Peter.Piro@state.ma.us

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services

Drug  
Laboratory  
(17) 983-6622  
(617) 983-6625

Department of Public Health  
State Laboratory Institute

Amherst Drug  
Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours  
8:00 – 11:00  
2:00 – 4:00

Amherst Hours  
9:00 – 12:00  
1:00 – 4:00

DRUG RECEIPT

2979

City or Department:

Barnstable Police

Police Reference No.:

Name and Rank of Submitting Officer: Ptl. Eric Drifmeyer

Defendant(s) Name (last, first, initial)

Description of Samples

To be completed by Lab Personnel

Gross Weight

Lab Number

Liquid substance in 2 bottles 1 BOTTLE

249.18g

Note to Lab: Upon MV stop

suspect dumped drugs into  
coffee. This is the contents

of the coffee cup.

Liq 1 BOTTLE

249.18g

193.18g

Received by:

Date:

12-16-11

[REDACTED] Date Analyzed: 1/30/12  
[REDACTED] 1/31/12 P.P.O

City: Barnstable Police Dept.  
Officer: P.O. ERIC DRIFMEYER

Amount: 1 No. Cont: 1 Cont: bottle

Date Rec'd: 12/16/2011

Gross Wt.: 249.18

Subst: LIQUID

No. Analyzed: 1  
Net Weight: 123.2 grams  
# Tests: 7 P.P.O

• 4KAC

Prelim: Heroin  
1-26-12

Findings: Heroin

[REDACTED] Date Analyzed: 1/30/12  
[REDACTED] 1/31/12 P.P.O

City: Barnstable Police Dept.  
Officer: P.O. ERIC DRIFMEYER

Amount: 1 No. Cont: 1 Cont: bottle

Date Rec'd: 12/16/2011

Gross Wt.: 249.18

193.18  
gr  
8

Subst: LIQUID

No. Analyzed: 1  
Net Weight: 67.0 grams  
# Tests: 7 P.P.O

• 4KAC

Prelim: Heroin  
1-26-12

Findings: Heroin

# DRUG POWDER ANALYSIS FORM

AGENCY Barnstable

ANALYST P. Pitt

No. of samples tested:

Evidence Wt.

249.18

PHYSICAL DESCRIPTION: EO PB signed + Sealed

- 1 Amber bottle with liquid  
Liquid believed to be coffee

- Liquid centrifuged and pH recorded

- Vial #1 Liquid extracted with chloroform

- Vial #2 Liquid pH adjusted to pH 10 and  
extracted with chloroform

Gross Wt ( ): 249.18

Gross Wt ( ): 245.8

Pkg. Wt: 122.6

Net Wt: 123.2

✓OK  
C95

Ohaus N1D110  
Serial # 1125493269

0.2 grams  
0.5  
1.0  
10.0  
50.0

200.0

500.0

Calibrated 1-23-12

## PRELIMINARY TESTS

Spot Tests #1      #2

Cobalt Thiocyanate ( ) — , Blue

Marquis Purple X 2

Froehde's Purple

Mecke's Green  
1-31-12

## Microcrystalline Tests

Gold Chloride

TLTA ( )

## OTHER TESTS

G. C (A) Heroin 1/26/12  
pH of solution 3.5

## PRELIMINARY TEST RESULTS

RESULTS Unknown

DATE 1-23-12

## GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS OPERATOR KAC

DATE 1-30-12 MS  
1-31-12 FINAL

Sequence Name: C:\msdchem\1\sequence\012512PJP.S

Comment:

Operator: P.PIRO

Data Path: D:\SYSTEM5 GC DATA\01\_25\_12\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

( ) Reprocessing Only ( ) Don't Inject

BII-14535-1, 2

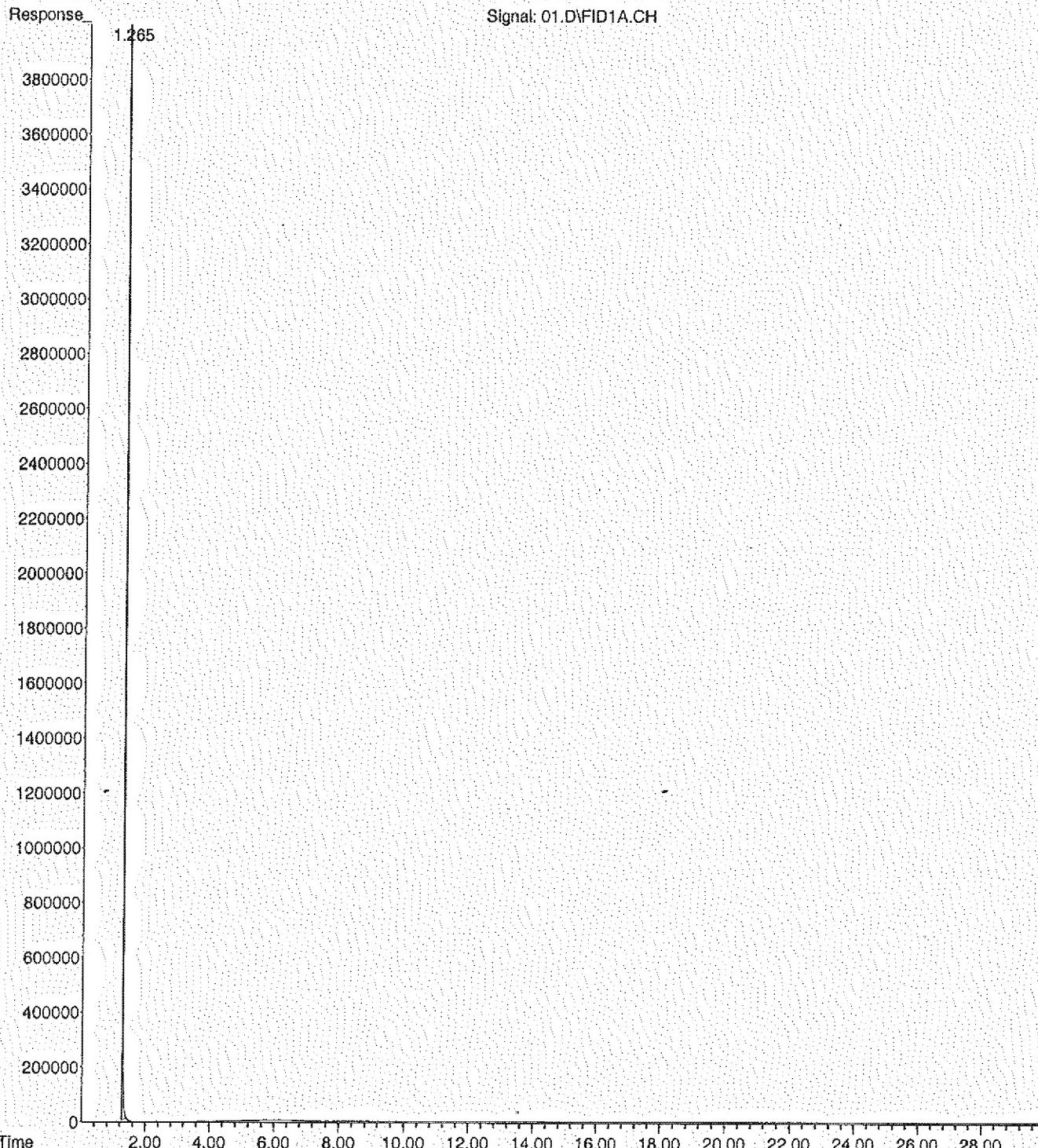
Line			Sample Name/Misc Info		
1)	Sample	1	01	GENSCAN	BLANK
2)	Sample	2	02	GENSCAN	COCAINE/CODEINE MIX
3)	Sample	1	03	GENSCAN	BLANK
4)	Sample	4	04	GENSCAN	HEROIN STD 8.64
5)	Sample	1	05	GENSCAN	BLANK
6)	Sample	6	06	GENSCAN	BUPRENORPHINE STD 13.69
7)	Sample	1	07	GENSCAN	BLANK
8)	Sample	8	08	GENSCAN	[REDACTED] 8.64 (+) Heroin
9)	Sample	1	09	GENSCAN	BLANK
10)	Sample	10	10	GENSCAN	[REDACTED] 13.70 (+) Buprenorphine
11)	Sample	1	11	GENSCAN	BLANK
12)	Sample	12	12	GENSCAN	[REDACTED] 8.64 OK (+) Heroin
13)	Sample	1	13	GENSCAN	BLANK
14)	Sample	14	14	GENSCAN	[REDACTED] 8.65 OK (+) Heroin
15)	Sample	1	15	GENSCAN	BLANK
16)	Sample	16	16	GENSCAN	[REDACTED] 8.65 dilute 3X (+) Heroin
17)	Sample	1	17	GENSCAN	BLANK
18)	Sample	18	18	GENSCAN	[REDACTED] 8.64 OK (+) Heroin
19)	Sample	1	19	GENSCAN	BLANK

Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 01.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 11:52  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

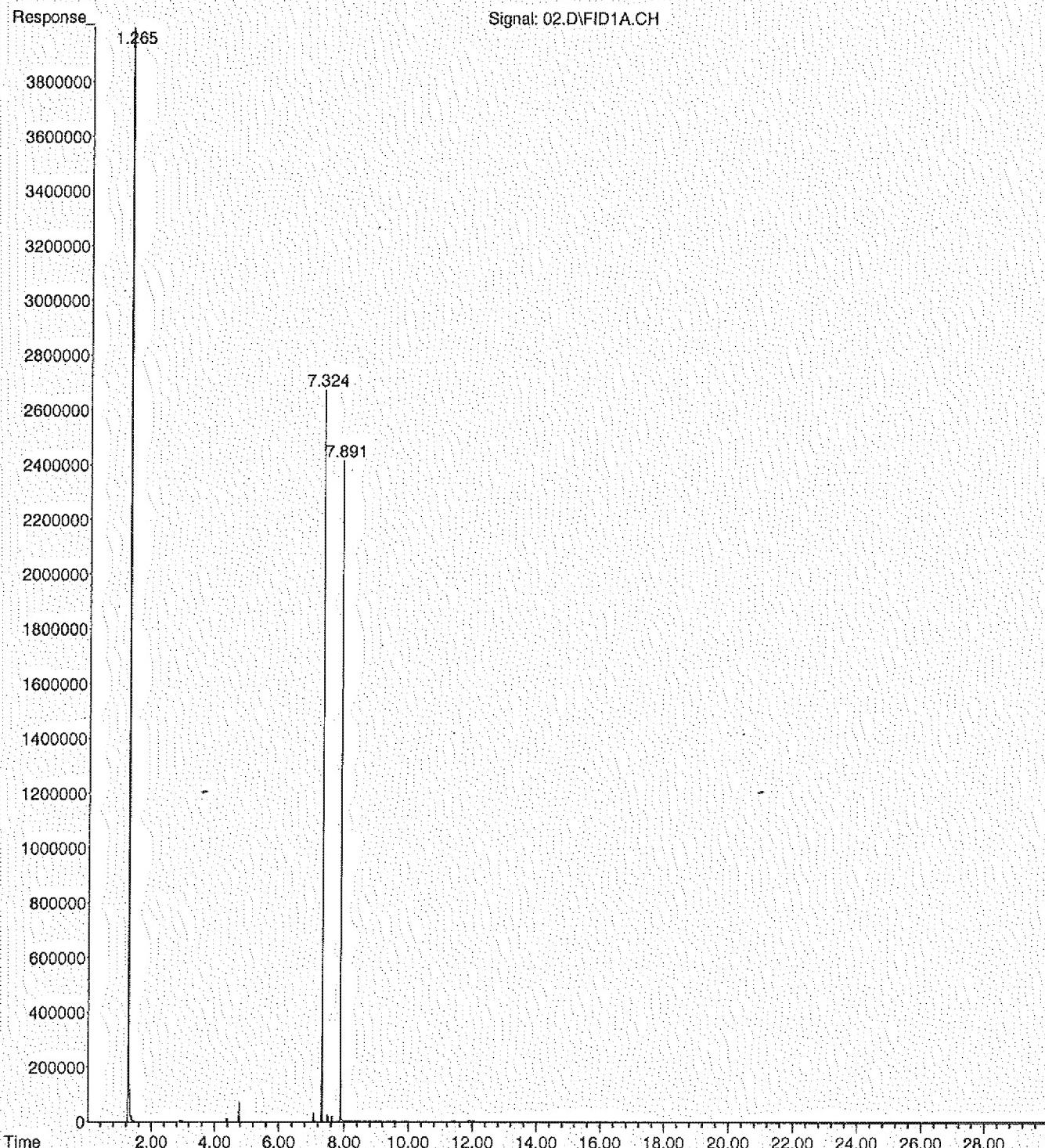


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 02.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 12:28  
Sample : COCAINE/CODEINE MIX  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

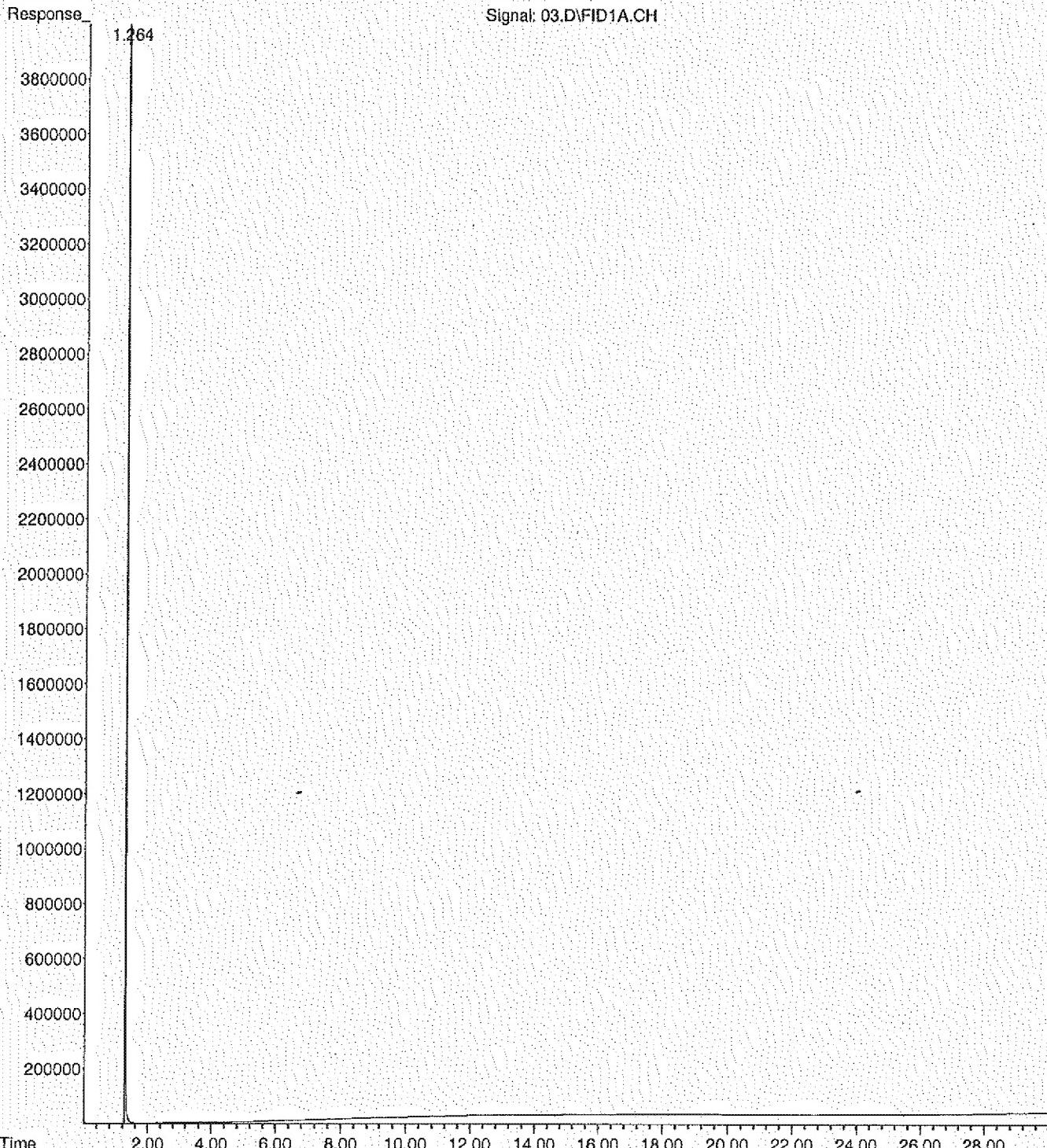


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 03.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 13:03  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 04.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 13:39  
Sample : HEROIN STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :

Signal : FID1A.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.265	1.240	1.408	BB	534732587	5099624998	100.00%	99.734%
2	8.642	8.606	8.685	BB	1345881	13612156	0.27%	0.266%

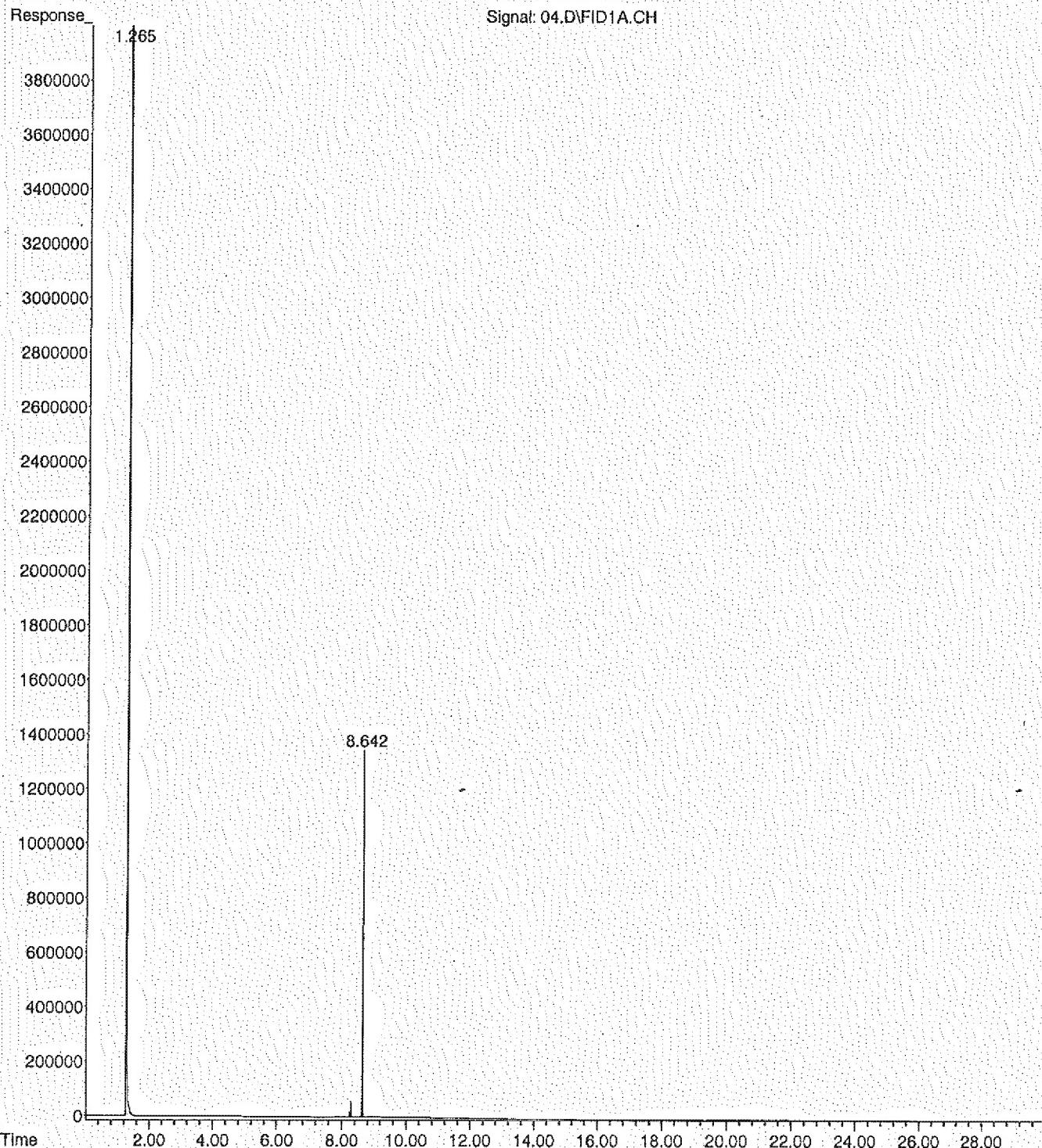
Sum of corrected areas: 5113237154

Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 04.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 13:39  
Sample : HEROIN STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

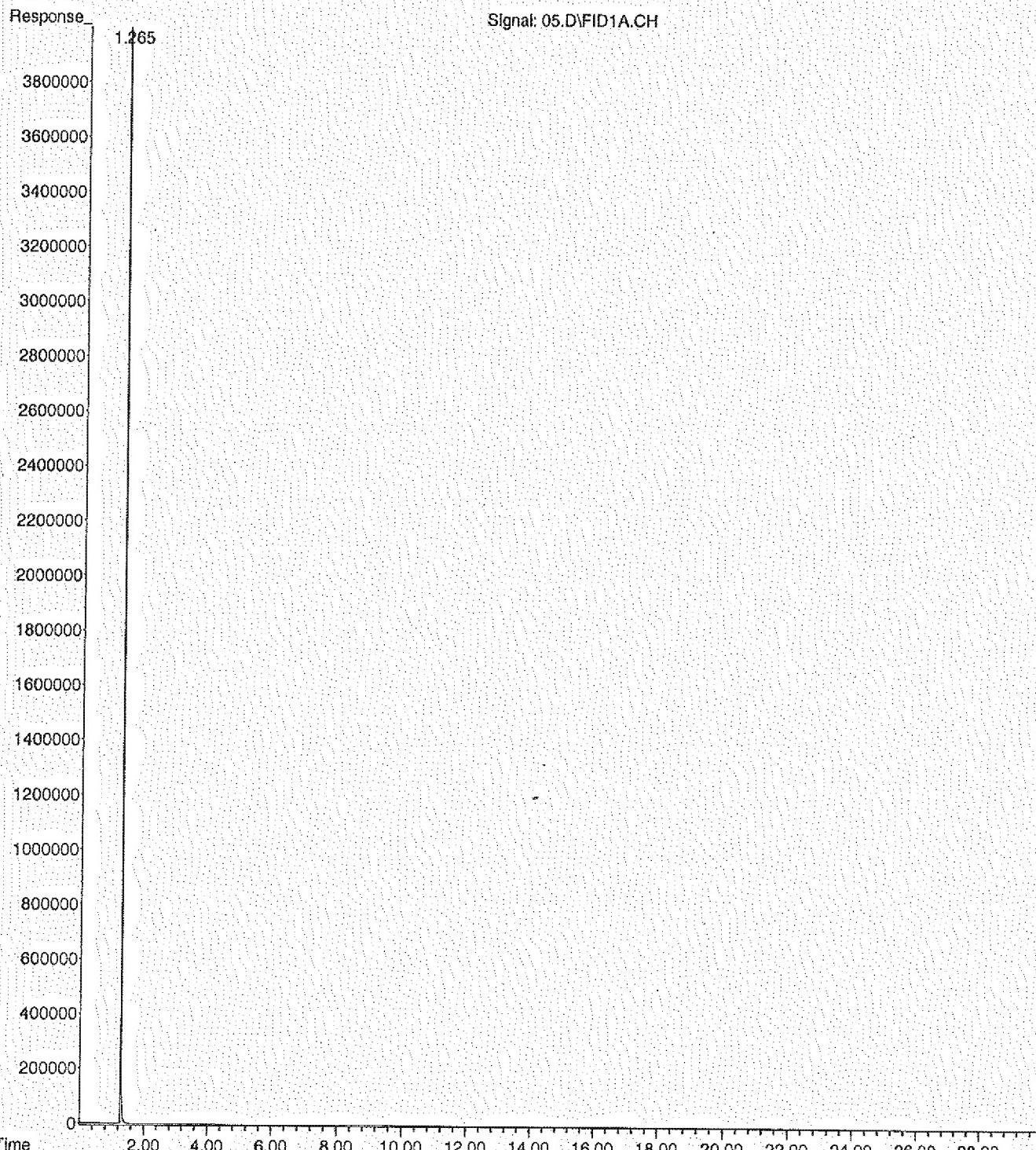


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 05.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 14:14  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

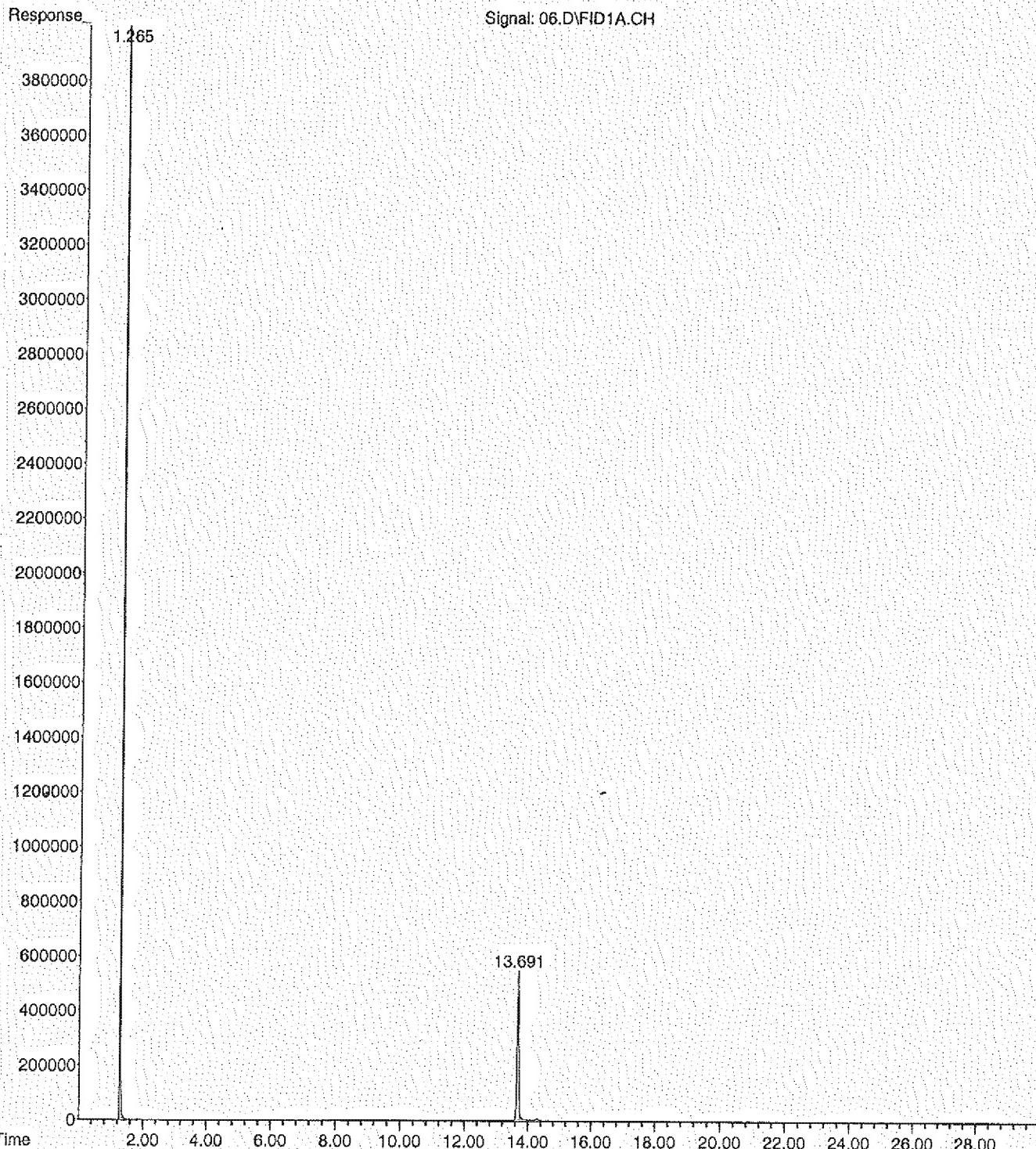


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 06.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 14:50  
Sample : BUPRENORPHINE STD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

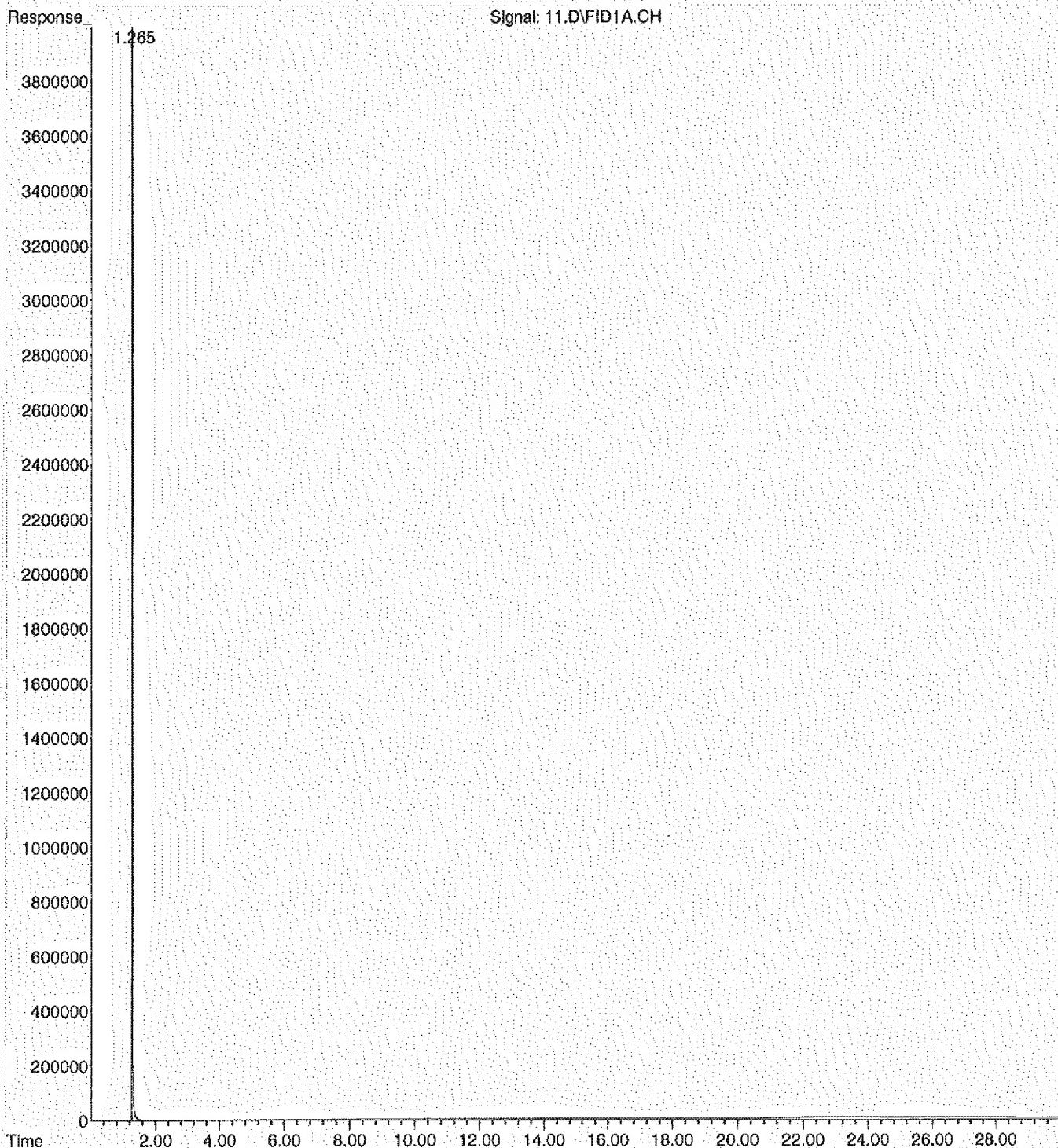


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 11.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 17:48  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 12.D

Signal(s) : FID1A.CH

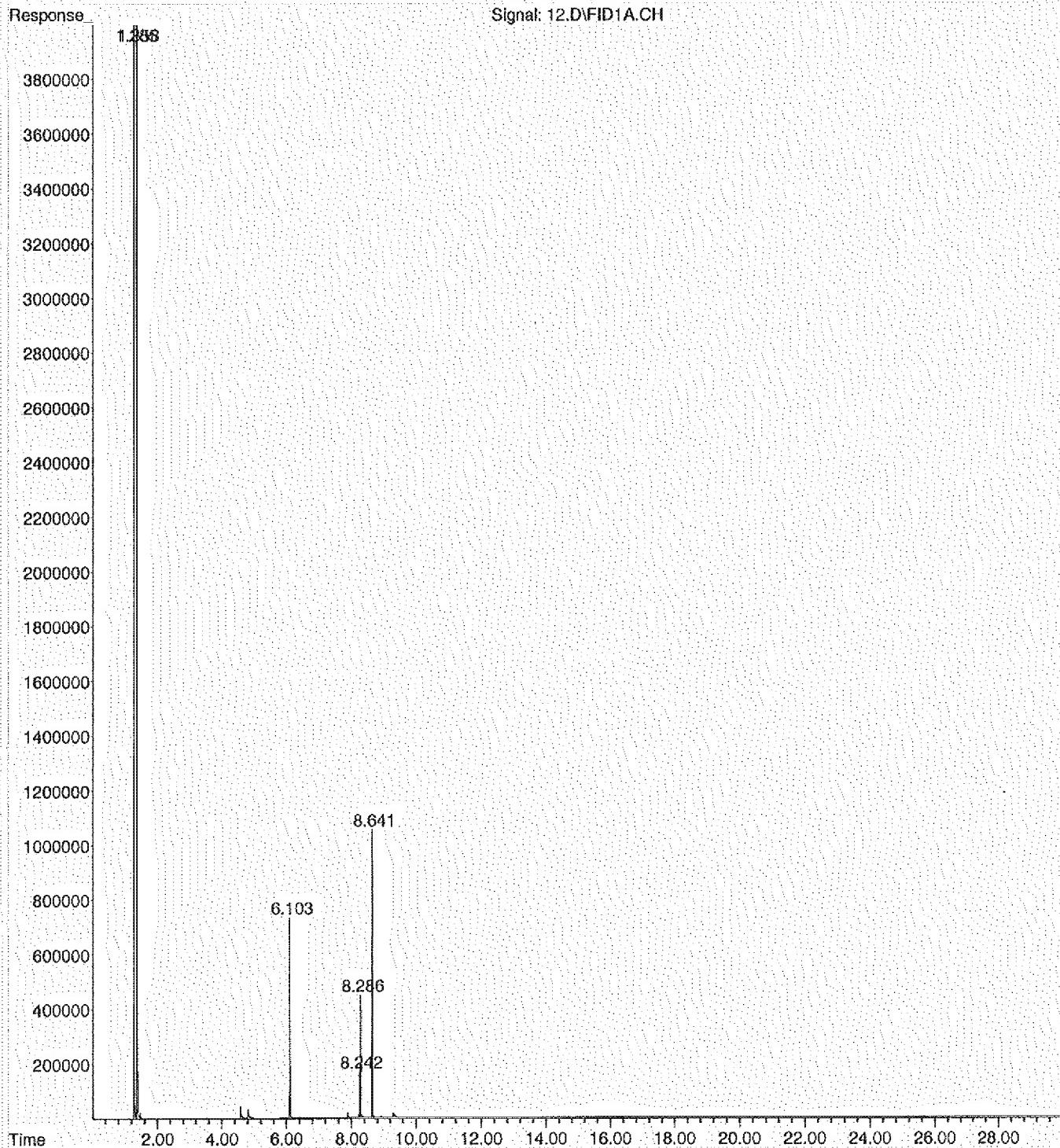
Acq On : 25 Jan 2012 18:23

Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :

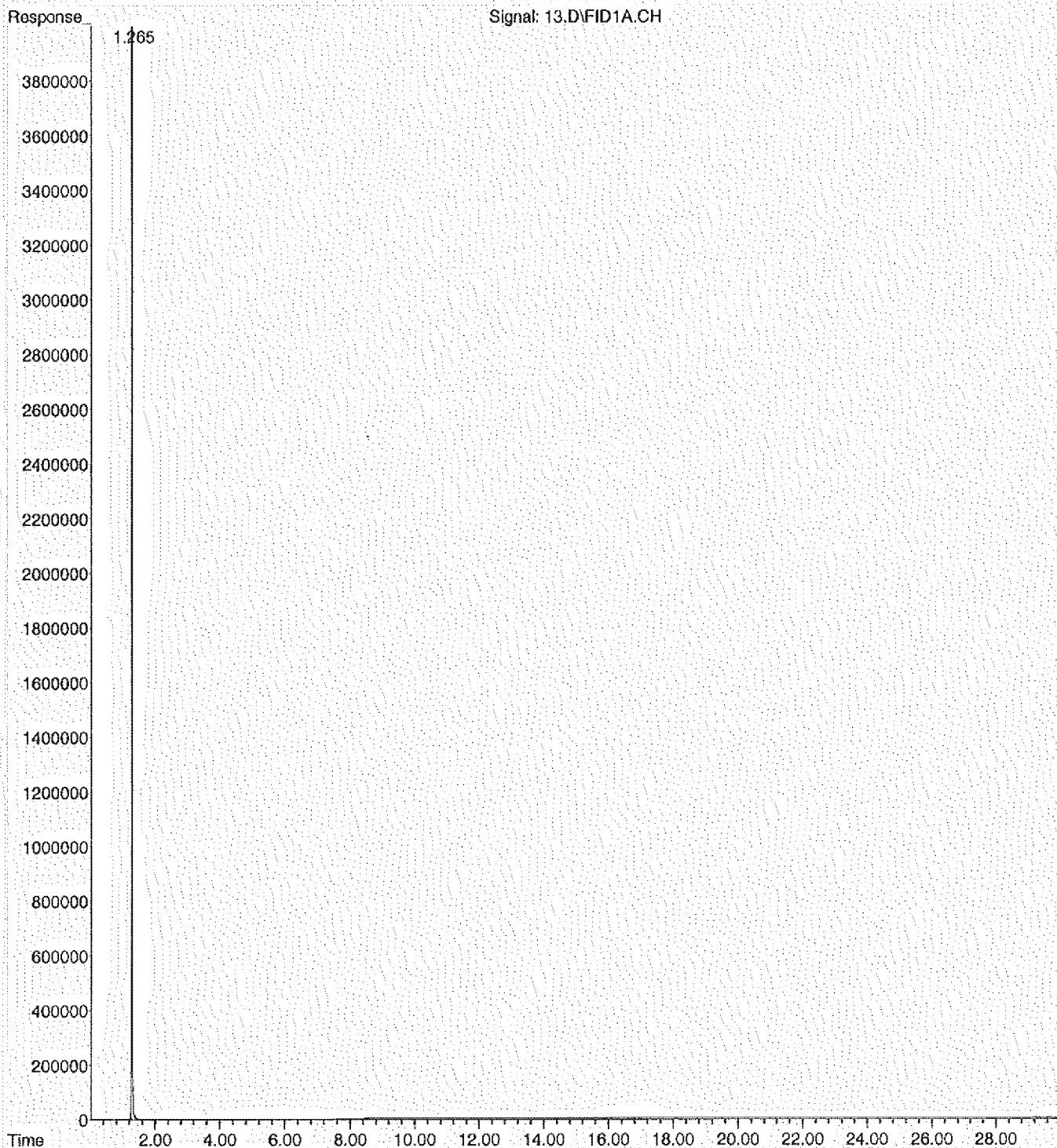


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 13.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 18:59  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 14.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 19:34

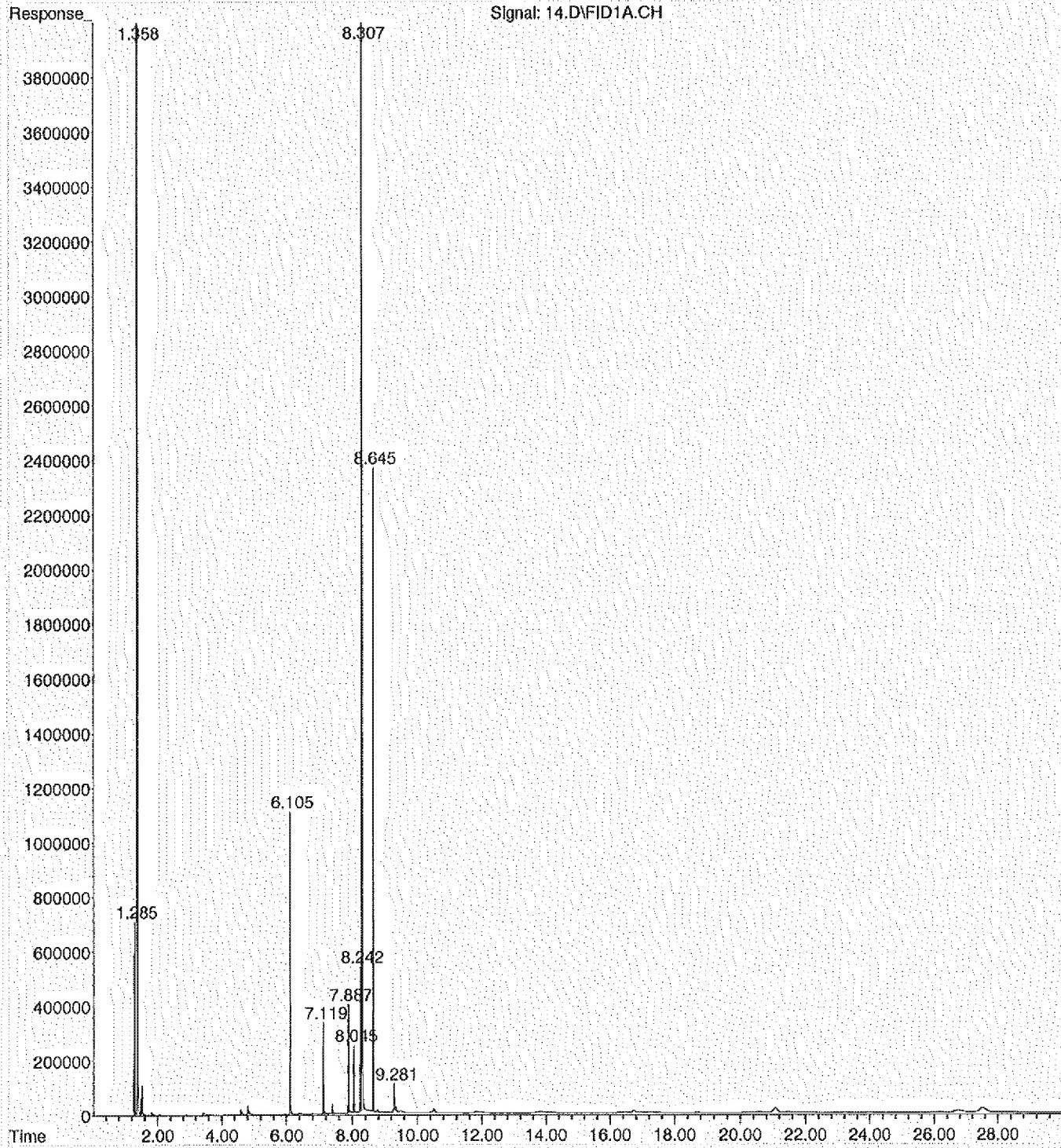
Misc :

ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :



# DRUG POWDER ANALYSIS FORM

AGENCY

Barnstable

ANALYST

P. Pird

No. of samples tested:

Evidence Wt.

193.18

PHYSICAL DESCRIPTION: EO PBS (gray) + Sealed

Gross Wt ( ):

189.1

Gross Wt ( ):

122.1

Pkg. Wt:

67.0

Net Wt:

✓ Crys  
OK

- 1 amber bottle w/ta Liguid
  - Liguid centrifuged and pH recorded. Liguid believed to be coffee
  - Liguid extracted with Chloroform #1
  - Liguid pH adjusted to pH ≈ 10 + extracted with Chloroform #2
- CHAUS NIB 110  
Serial # 1125493269  
Calibrated 1-25-12  
0.2 grams  
0.5  
1.0  
10.0  
50.0  
200.0  
500.0

PRELIMINARY TESTS

Spot Tests

#1                  #2

Cobalt

Thiocyanate ( )

Blue

Marquis      Purple

Purple

Froehde's      Purple

Purple

Mecke's      Brown

Green

1-31-12

Microcrystalline Tests

Gold

Chloride

TLTA ( )

OTHER TESTS

G. C (+) Heroin

pH 3.5

PRELIMINARY TEST RESULTS

RESULTS UNKNOWN

DATE 1-25-12

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS OPERATOR KPC

DATE 1-30-12 - MS

1-31-12 Final

Sequence Name: C:\msdchem\1\sequence\012512PJP.S  
Comment:  
Operator: P.PIRO  
Data Path: D:\SYSTEM5 GC DATA\01\_25\_12\  
Instrument Control Pre-Seq Cmd:  
Data Analysis Pre-Seq Cmd:  
  
Instrument Control Post-Seq Cmd:  
Data Analysis Post-Seq Cmd:

B11-14536-1,2

Method Sections To Run On A Barcode Mismatch  
(X) Full Method (X) Inject Anyway  
( ) Reprocessing Only ( ) Don't Inject

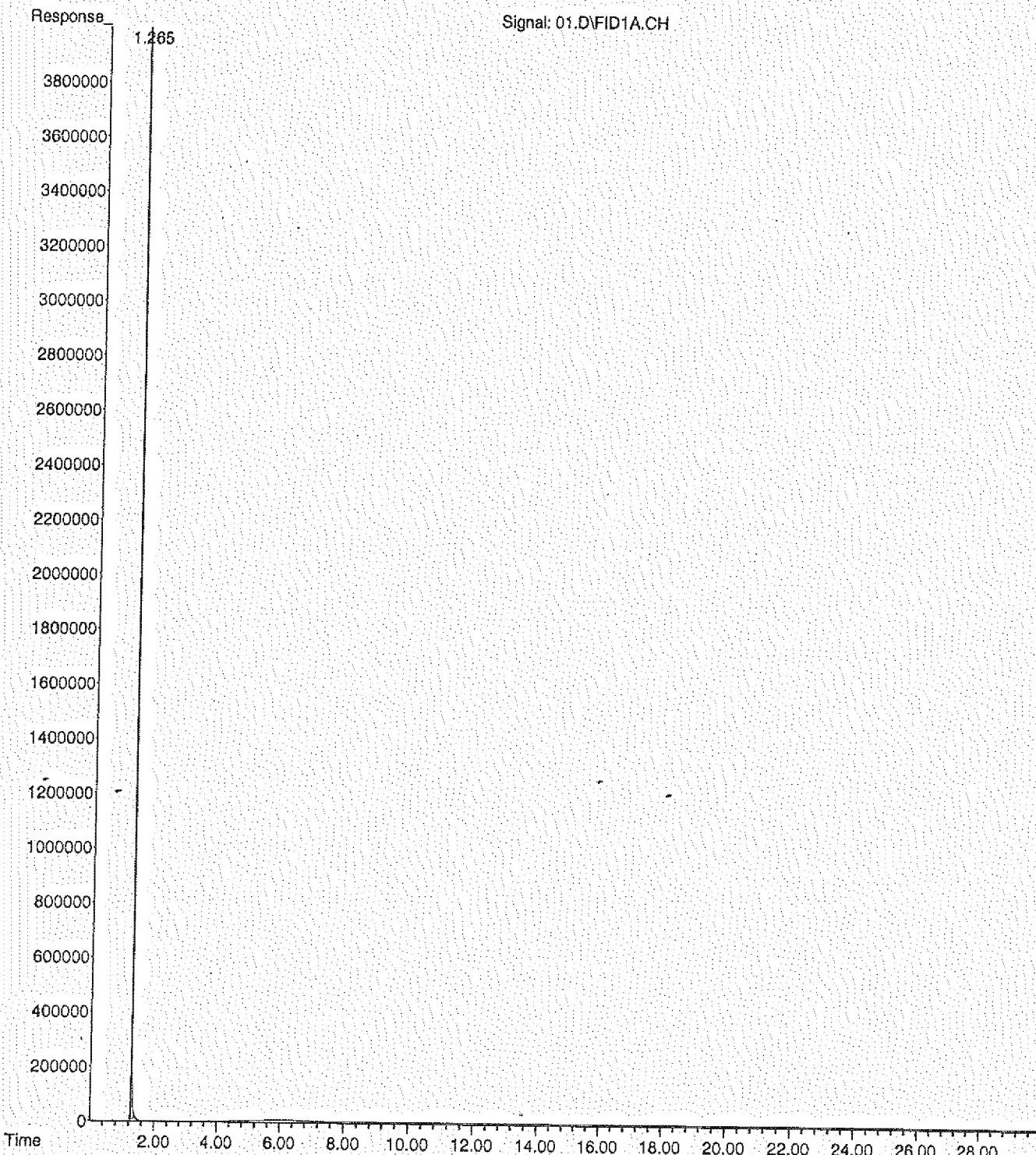
Line			Sample Name/Misc Info		
1)	Sample	1 01	GENSCAN	BLANK	
2)	Sample	2 02	GENSCAN	COCAINE/CODEINE MIX	7.32   7.89
3)	Sample	1 03	GENSCAN	BLANK	
4)	Sample	4 04	GENSCAN	HEROIN STD	8.64
5)	Sample	1 05	GENSCAN	BLANK	
6)	Sample	6 06	GENSCAN	BUPRENORPHINE STD	13.64
7)	Sample	1 07	GENSCAN	BLANK	
8)	Sample	8 08	GENSCAN	[REDACTED]	8.64 (+) Heroin
9)	Sample	1 09	GENSCAN	BLANK	
10)	Sample	10 10	GENSCAN	[REDACTED]	13.70 (+) Buprenorphine
11)	Sample	1 11	GENSCAN	BLANK	
12)	Sample	12 12	GENSCAN	[REDACTED]	8.64 OK (+) Heroin
13)	Sample	1 13	GENSCAN	BLANK	
14)	Sample	14 14	GENSCAN	[REDACTED]	8.65 OK (+) Heroin
15)	Sample	1 15	GENSCAN	BLANK	
16)	Sample	16 16	GENSCAN	[REDACTED]	8.66 dilute 3X (+) Heroin
17)	Sample	1 17	GENSCAN	BLANK	
18)	Sample	18 18	GENSCAN	[REDACTED]	8.64 OK (+) Heroin
19)	Sample	1 19	GENSCAN	BLANK	

Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 01.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 11:52  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

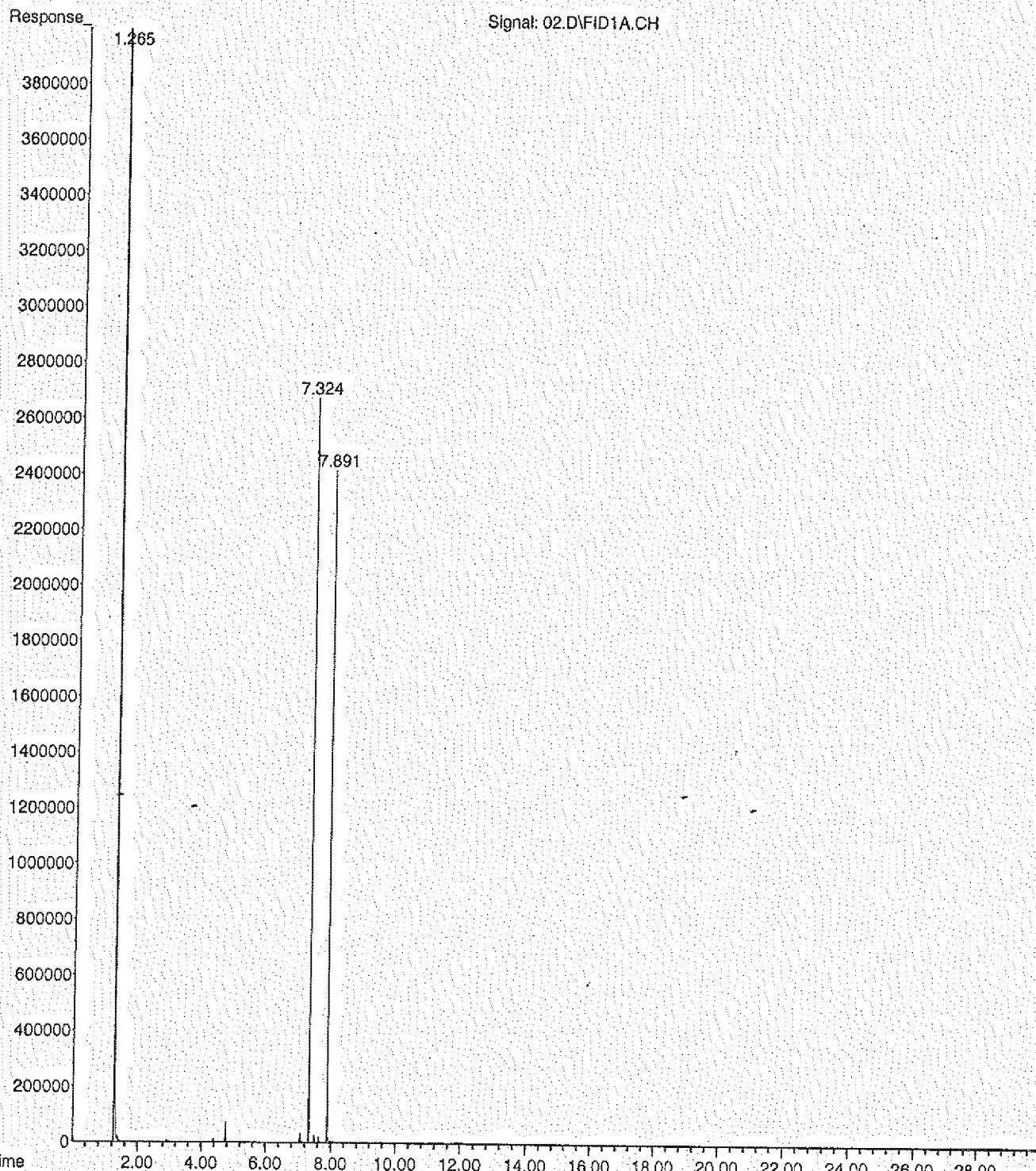


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 02.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 12:28  
Sample : COCAINE/CODEINE MIX  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

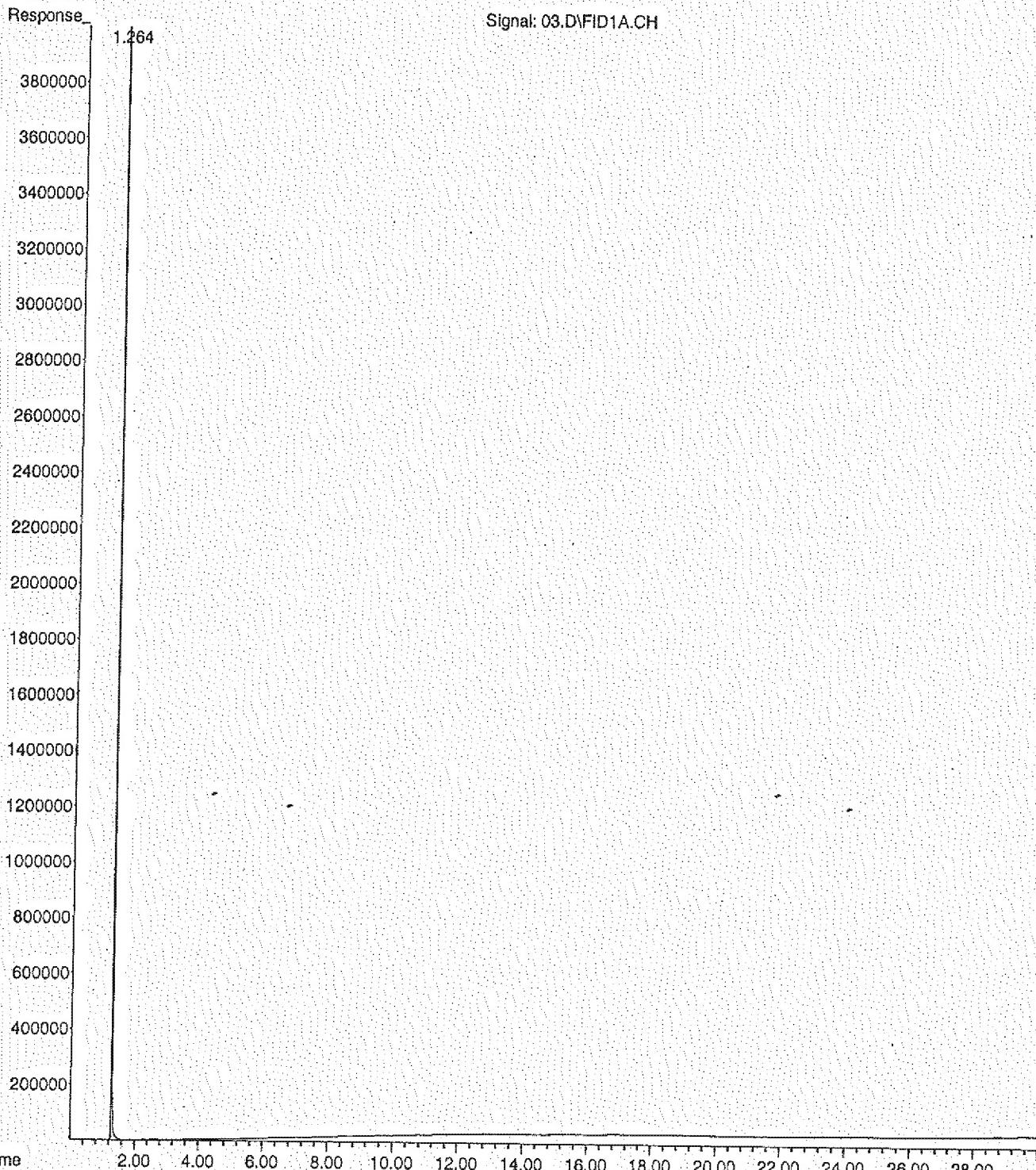


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 03.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 13:03  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 04.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 13:39  
Sample : HEROIN STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Signal : FID1A.CH

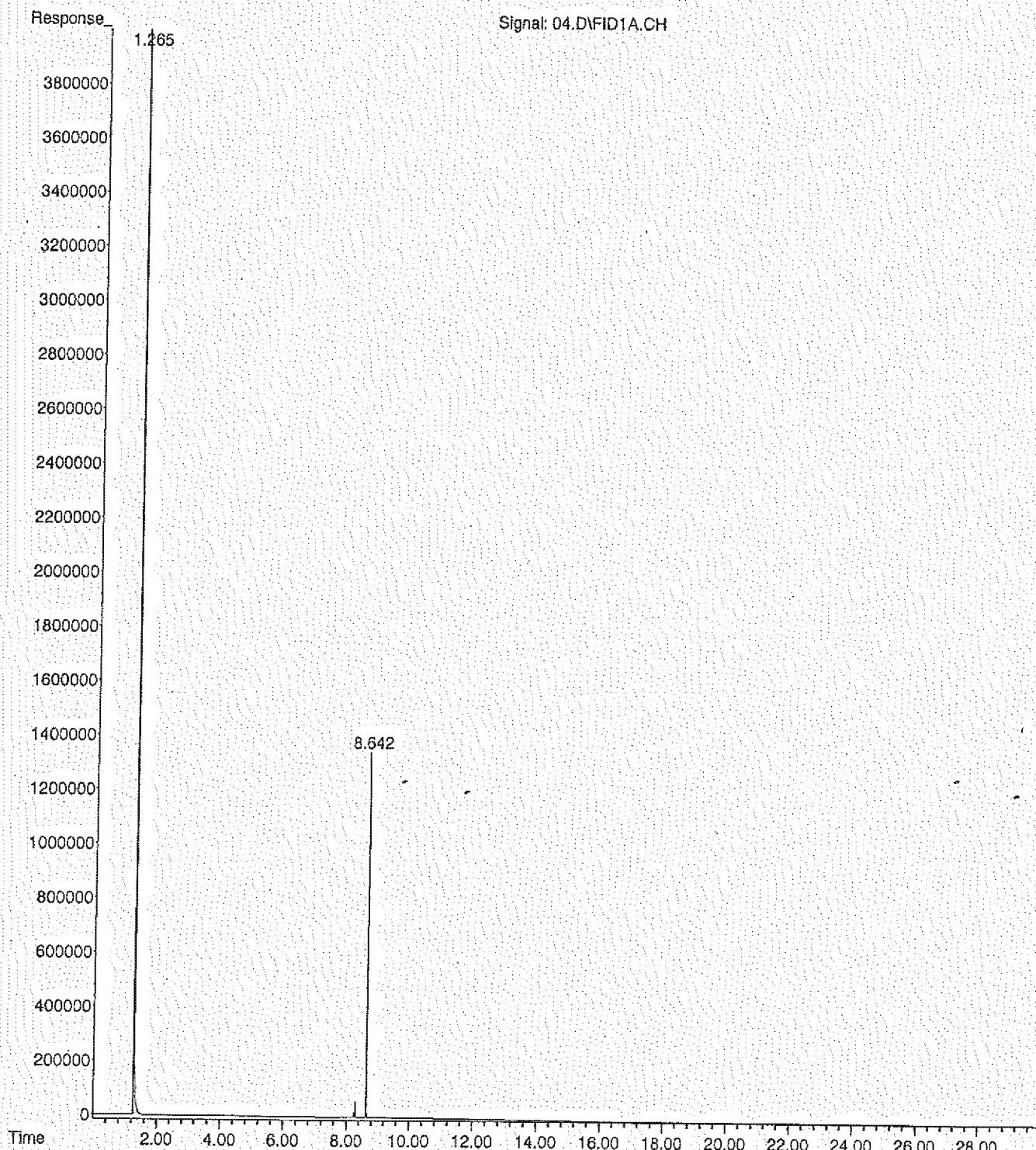
peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.265	1.240	1.408	BB	534732587	5099624998	100.00%	99.734%
2	8.642	8.606	8.685	BB	1345881	13612156	0.27%	0.266%
Sum of corrected areas: 5113237154								

Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 04.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 13:39  
Sample : HEROIN STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



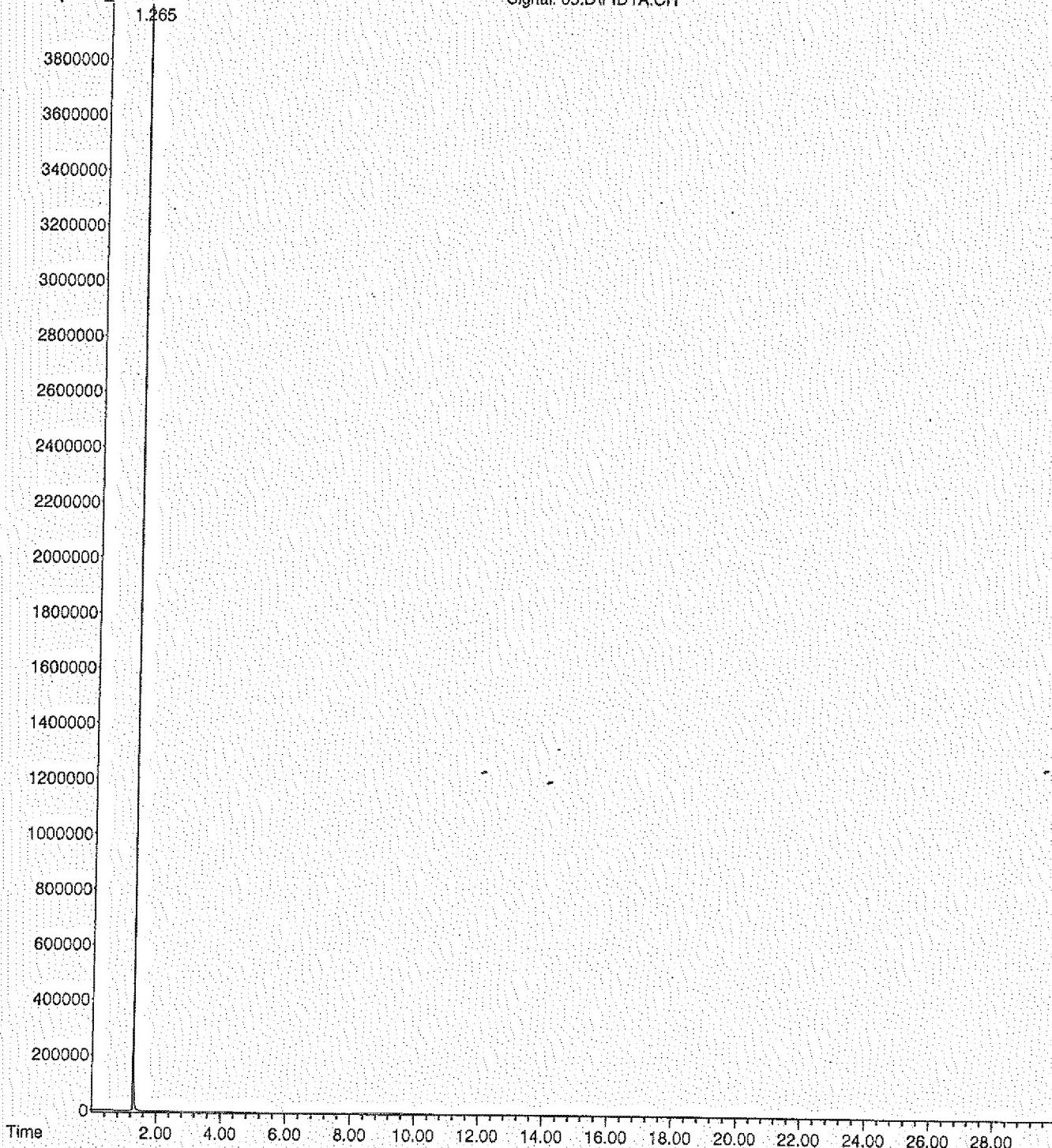
Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 05.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 14:14  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Response Signal: 05.D\FID1A.CH

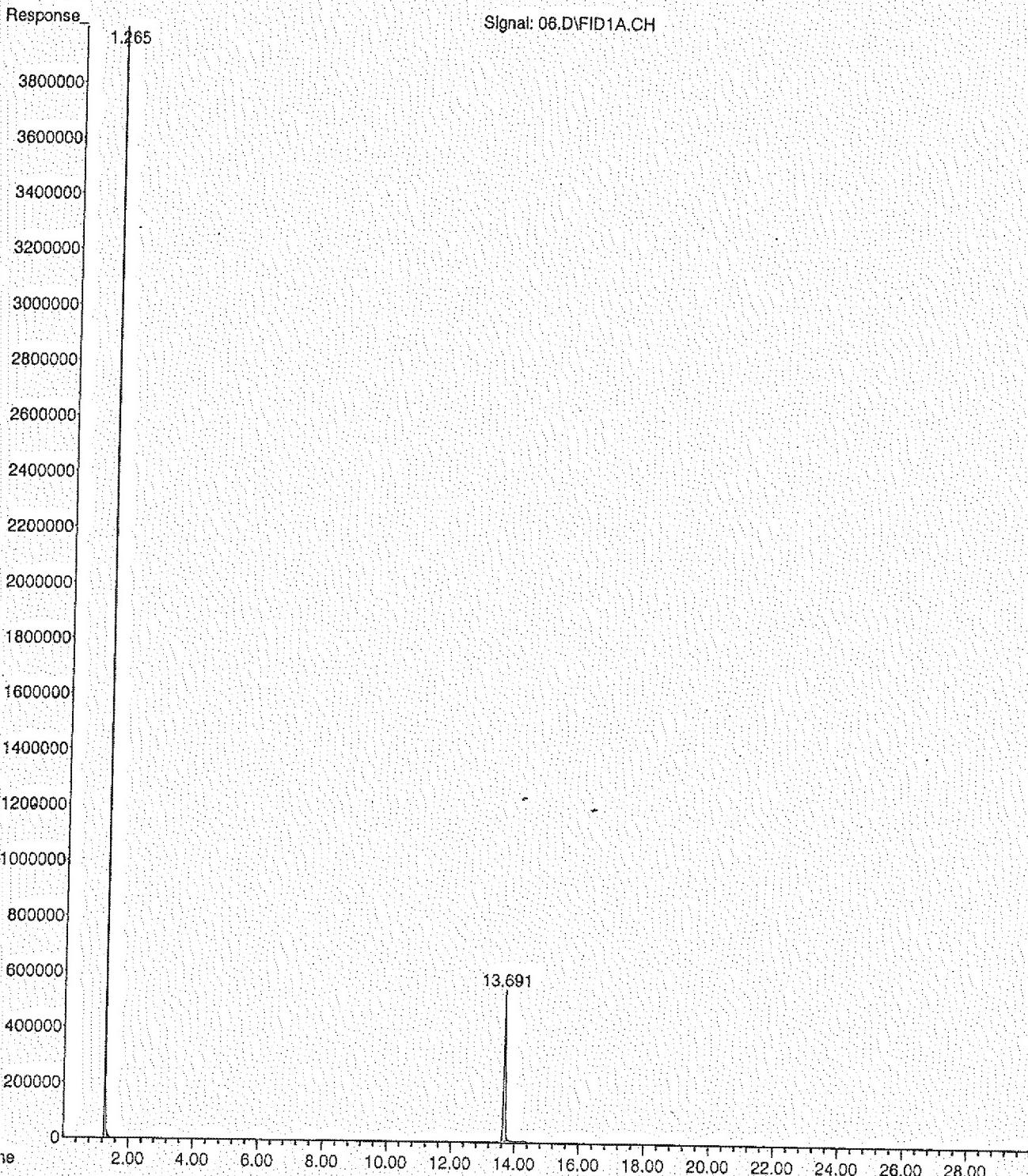


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 06.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 14:50  
Sample : BUPRENORPHINE STD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

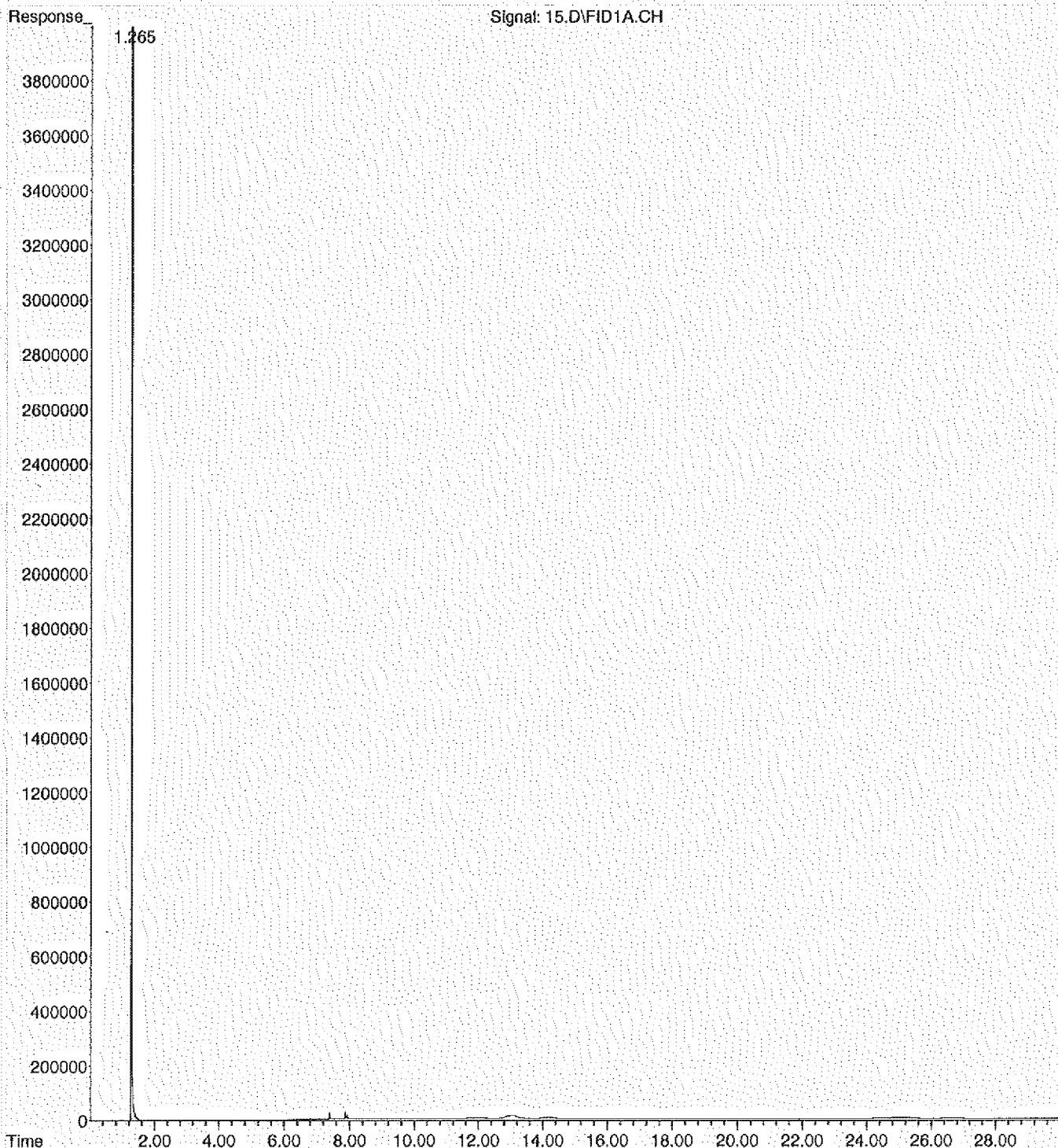


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 15.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 20:10  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



## Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 16.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 20:46

Misc :  
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :

Signal : FID1A.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.286	1.234	1.318	BV	3644661	26870524	0.80%	0.735%
2	1.328	1.318	1.349	VV	166691	1307256	0.04%	0.036%
3	1.361	1.349	1.456	VB	289965355	3357468569	100.00%	91.806%
4	1.508	1.494	1.546	PB	175417	1547753	0.05%	0.042%
5	2.678	2.614	2.734	BB	324844	6052318	0.18%	0.165%
6	3.400	3.359	3.454	BB	390202	3225886	0.10%	0.088%
7	4.566	4.548	4.626	BB	481288	3820573	0.11%	0.104%
8	4.796	4.776	4.854	BB	397449	3310738	0.10%	0.091%
9	6.112	6.079	6.166	BB	2410980	21636344	0.64%	0.592%
10	6.371	6.334	6.406	BV	139411	1291944	0.04%	0.035%
11	8.242	8.199	8.265	BV	694243	6118588	0.18%	0.167%
12	8.285	8.265	8.339	VB	258320	2295882	0.07%	0.063%
13	8.649	8.608	8.676	BB	3965608	43374726	1.29%	1.186%
14	10.503	10.464	10.593	VB	236607	5878166	0.18%	0.161%
15	13.831	13.641	13.916	BB	104199	7420306	0.22%	0.203%
16	16.745	16.618	16.972	BB	169648	12865619	0.38%	0.352%
17	21.157	20.905	21.382	BB	392096	39626343	1.18%	1.084%
18	26.912	26.525	27.195	BB	213713	35502559	1.06%	0.971%
19	27.756	27.368	27.784	BV	506981	52052501	1.55%	1.423%
20	27.795	27.784	28.028	VB	491511	25482329	0.76%	0.697%

Sum of corrected areas: 3657148926

Area Percent Report

Data Path : D:\SYSTEM5\GC DATA\01\_25\_12\

Data File : 16.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 20:46

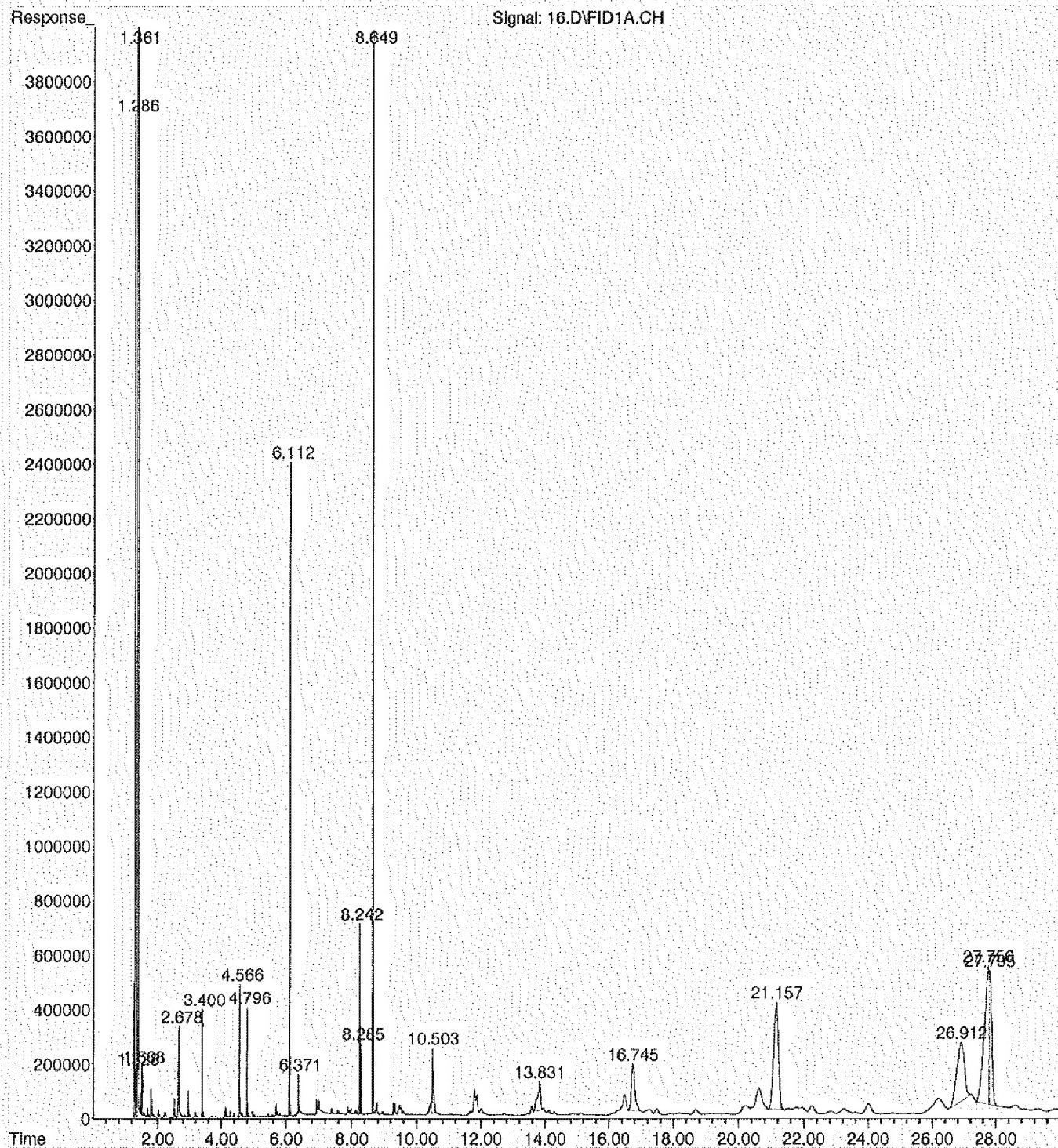
[REDACTED]

MISC :  
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :

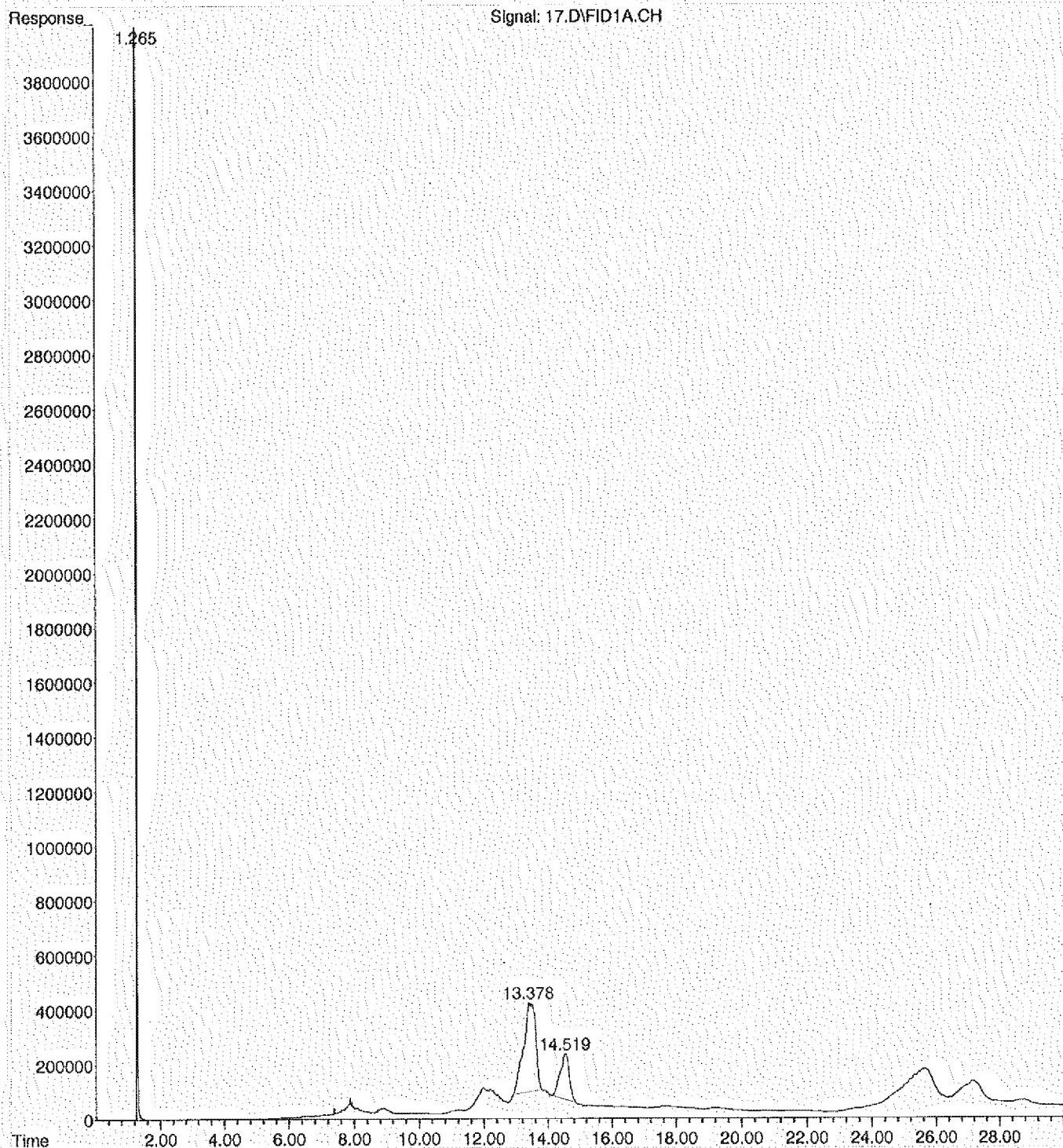


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 17.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 21:21  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\

Data File : 18.D

Signal(s) : FID1A.CH

Acq On : 25 Jan 2012 21:57

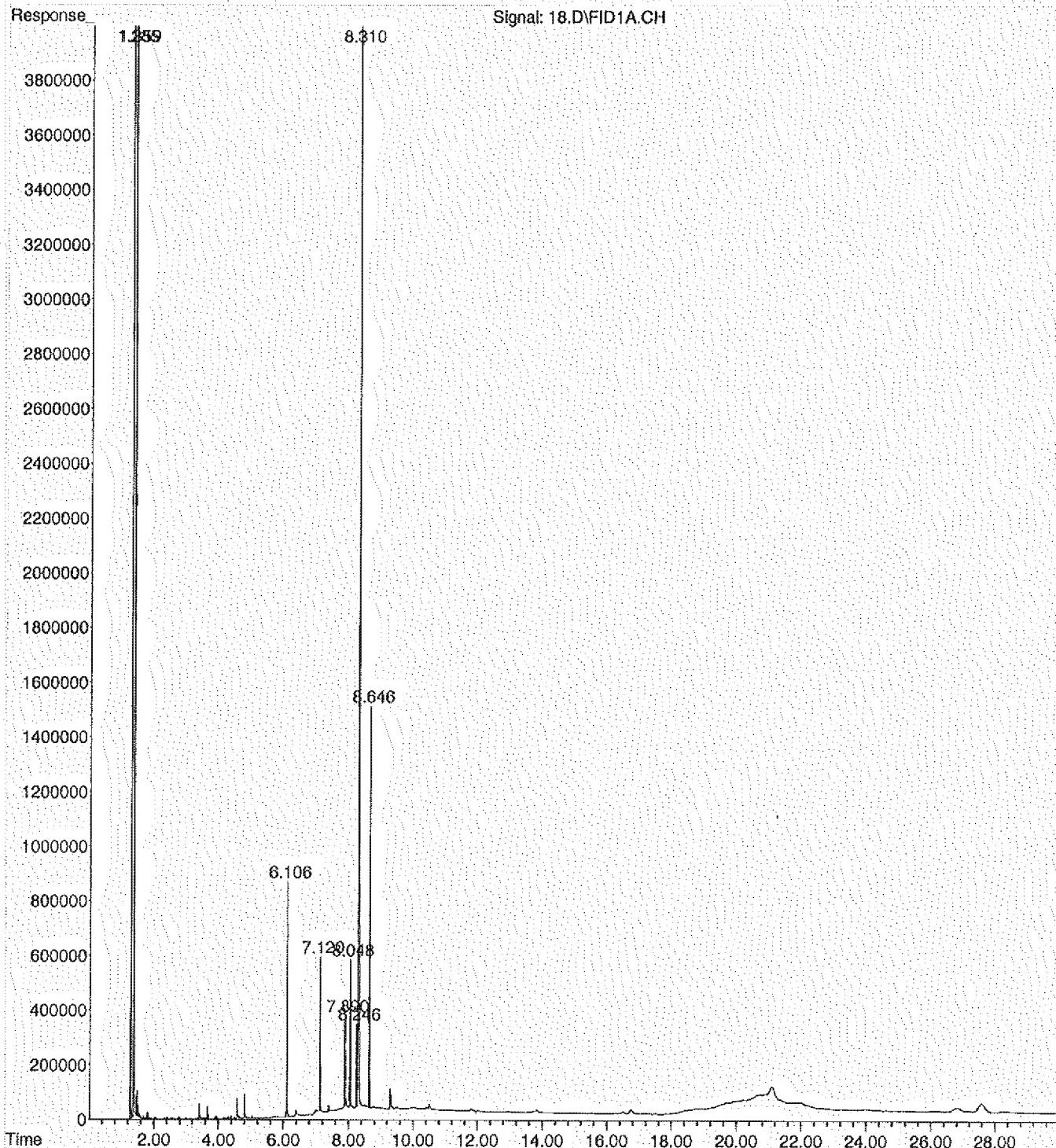
Misc

ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : C:\MSDCHEM\1\METHODS\GENSCAN.M

Title :

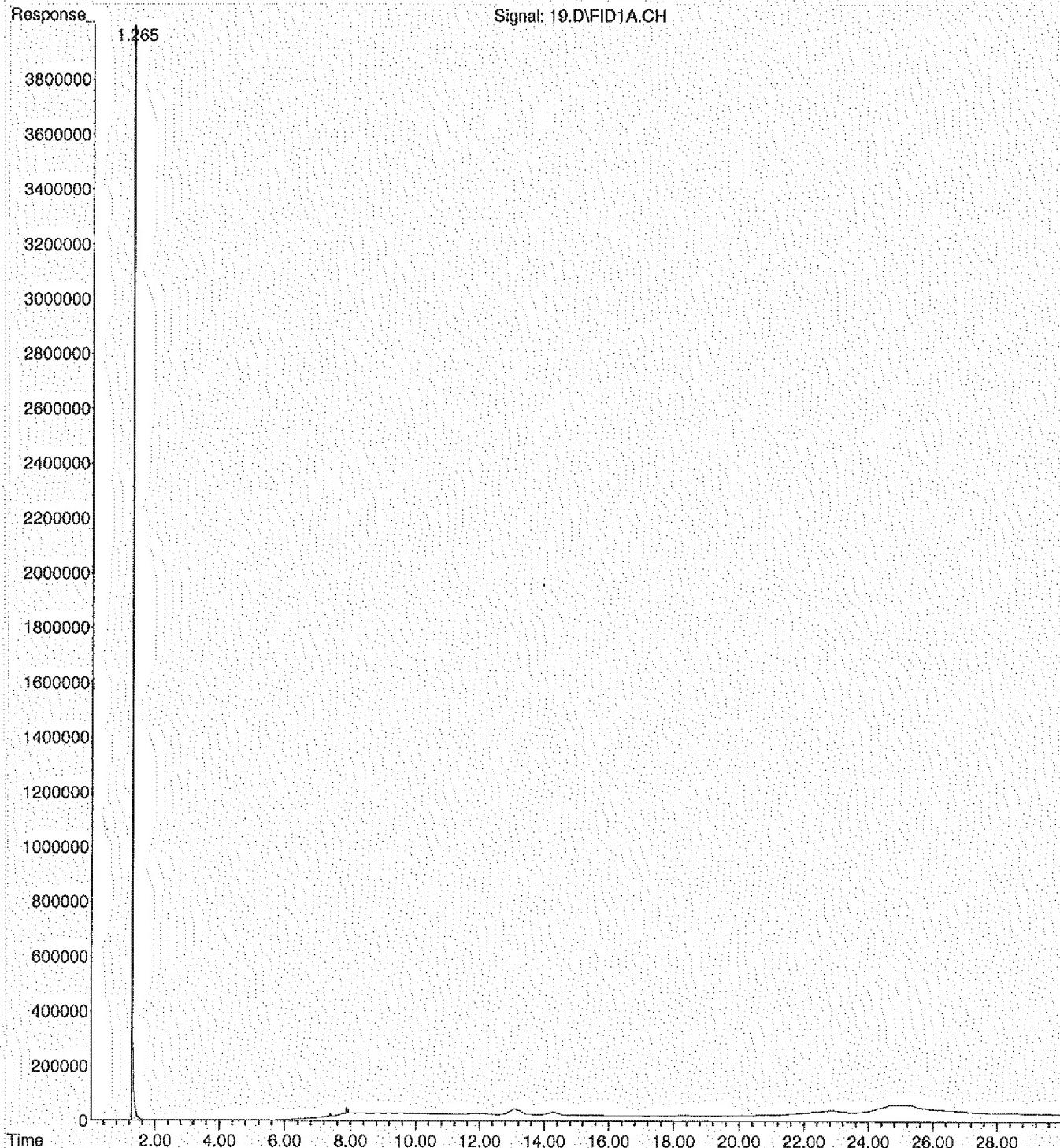


Area Percent Report

Data Path : D:\SYSTEM5 GC DATA\01\_25\_12\  
Data File : 19.D  
Signal(s) : FID1A.CH  
Acq On : 25 Jan 2012 22:32  
Sample : BLANK  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

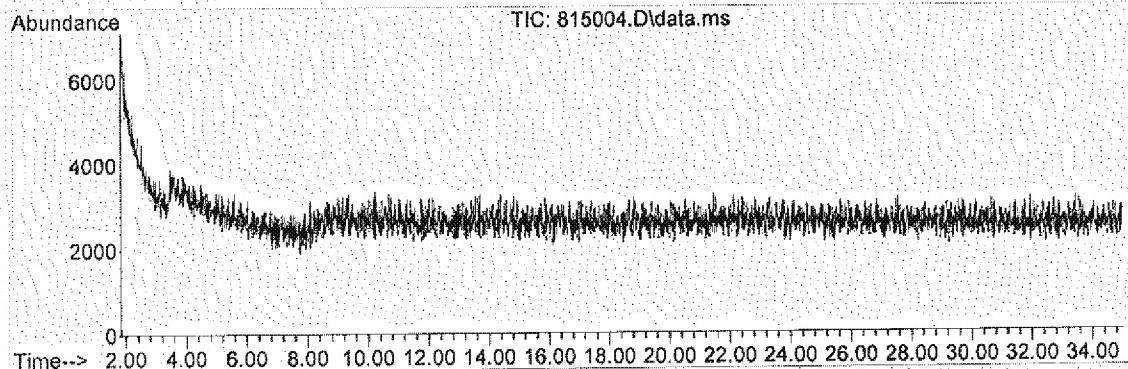
Method : C:\MSDCHEM\1\METHODS\GENSCAN.M  
Title :



✓KAC  
2/14/12

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815004.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 10:51  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

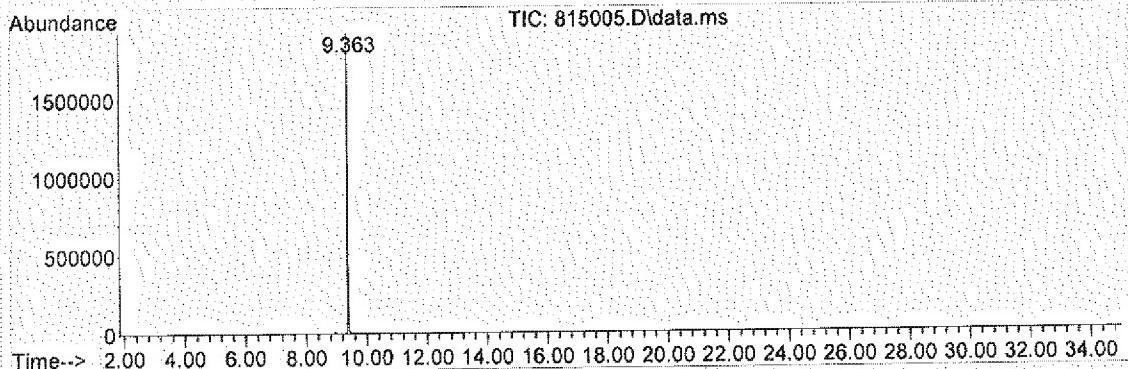
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815005.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 11:30  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
9.363	2381630	100.00	100.00

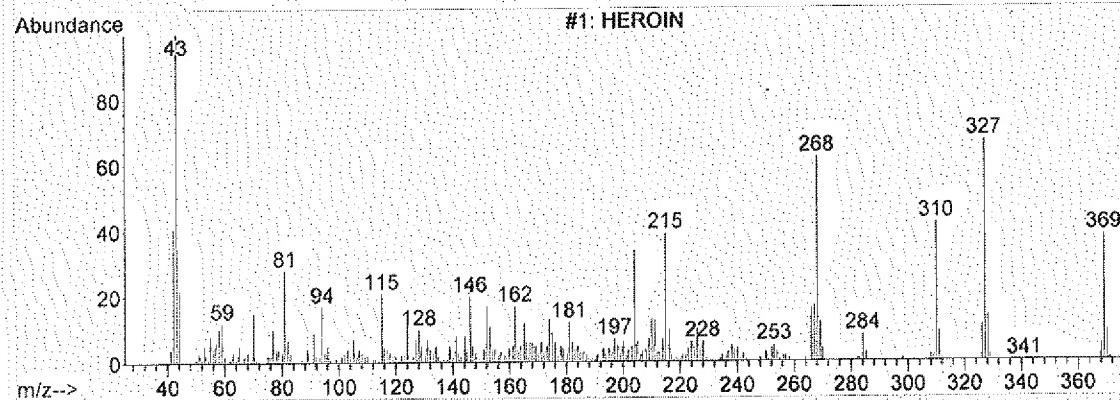
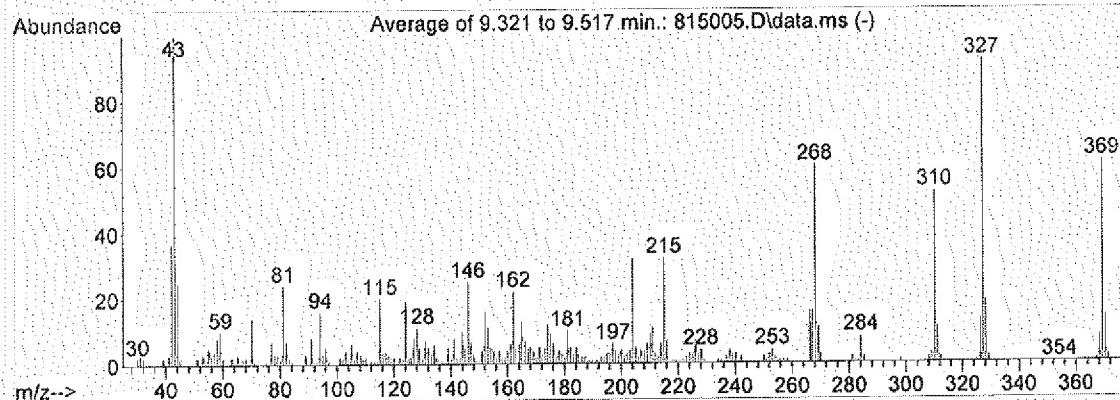
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## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815005.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 11:30  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

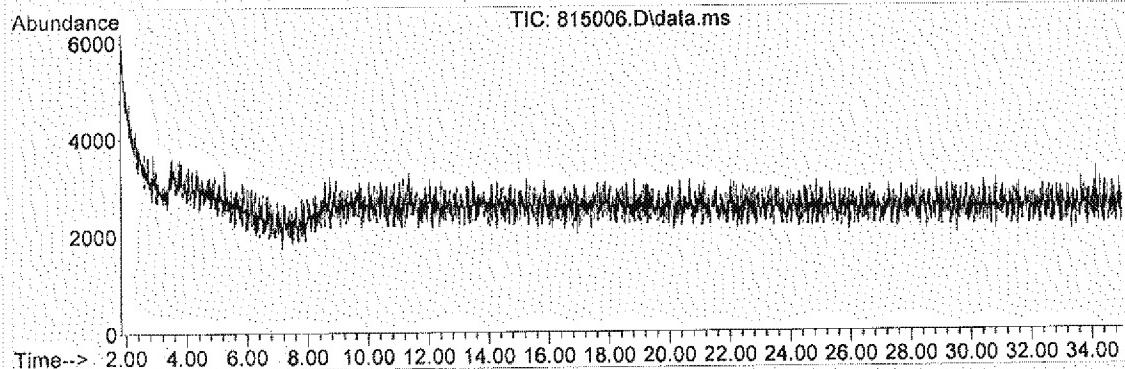
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	9.36	C:\Database\SLI.L HEROIN	000561-27-3	99



## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815006.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 12:09  
Sample Name : BLANK  
Submitted by : P.PIRO  
Vial Number : 1  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



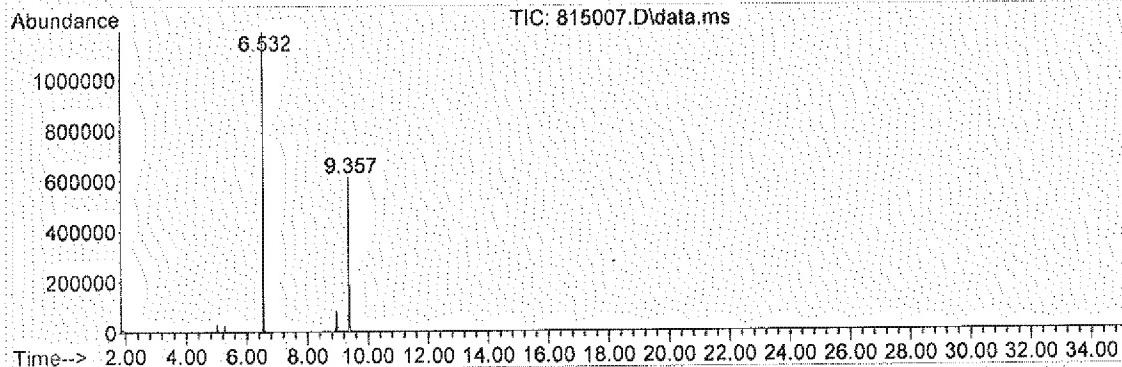
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815007.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 12:48

Submitted by : P.PIRO  
Vial Number : 7  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



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Ret. Time	Area	Area %	Ratio %
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6.532	1151651	60.28	100.00
9.357	758849	39.72	65.89

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## Area Percent / Library Search Report

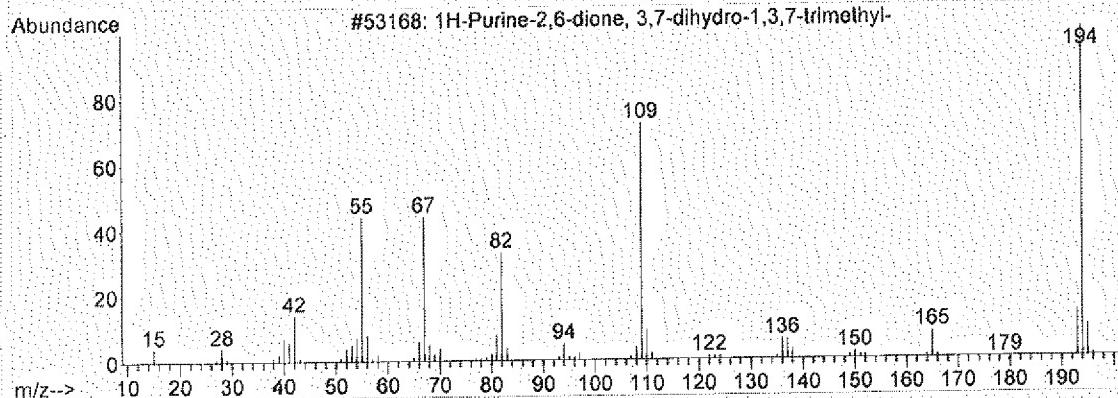
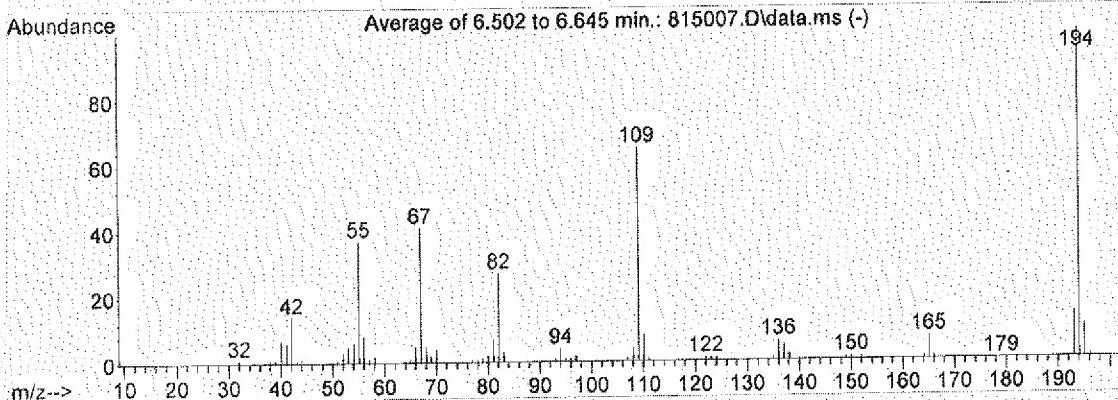
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815007.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 12:48

Submitted by : P.PIRO  
Vial Number : 7  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.53	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	97



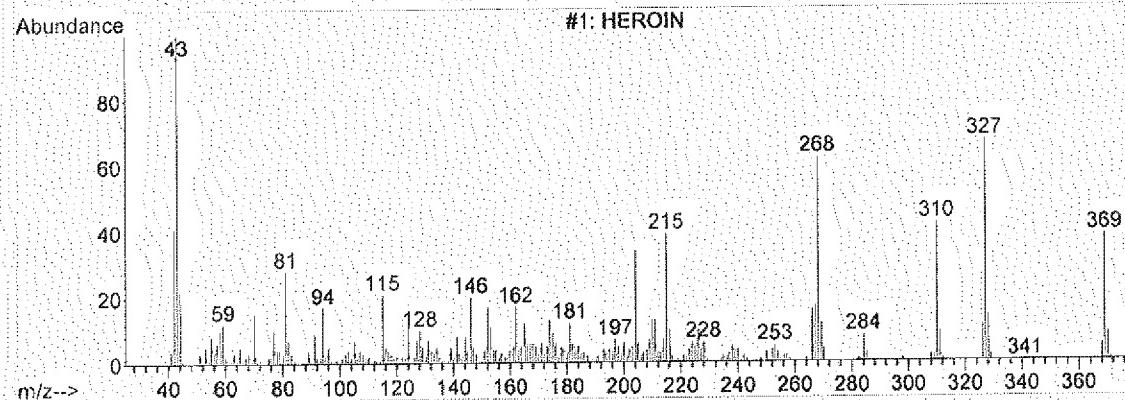
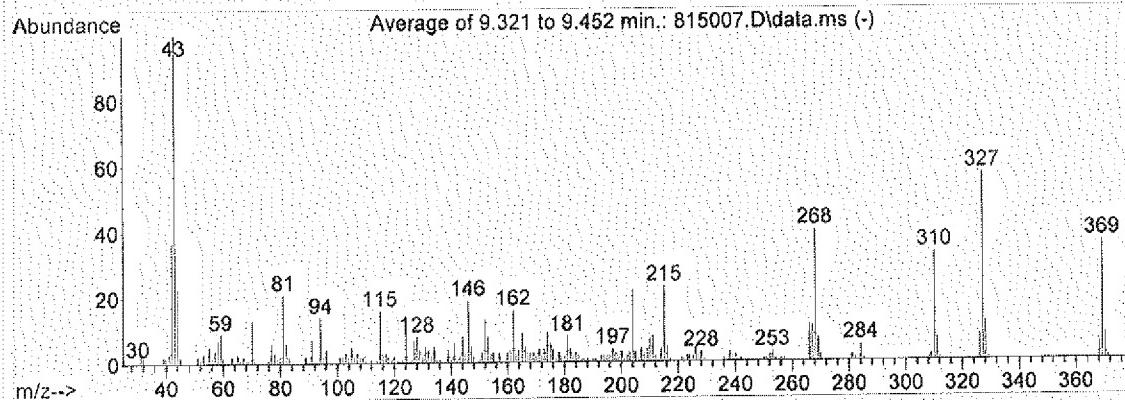
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815007.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 12:48

Submitted by : P.PIRO  
Vial Number : 7  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

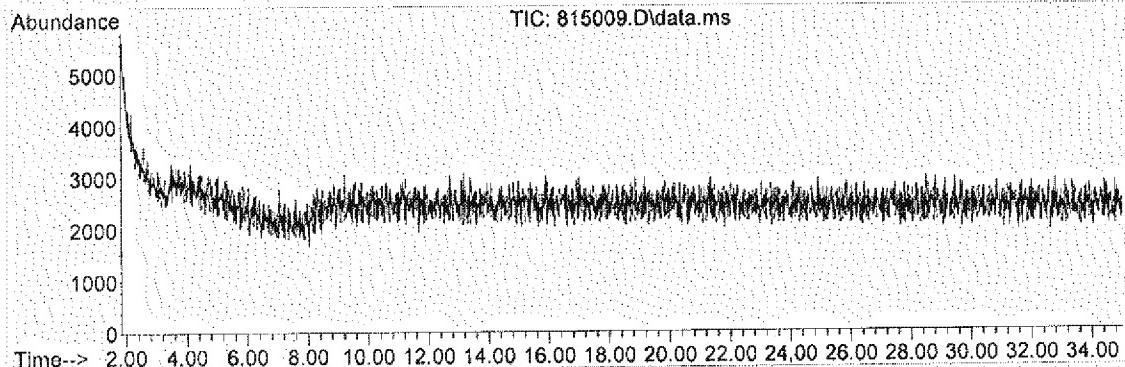
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	9.36	C:\Database\SLI.L HEROIN	000561-27-3	99



## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815009.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 14:06  
Sample Name : BLANK  
Submitted by : P.PIRO  
Vial Number : 1  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



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Ret. Time	Area	Area %	Ratio %
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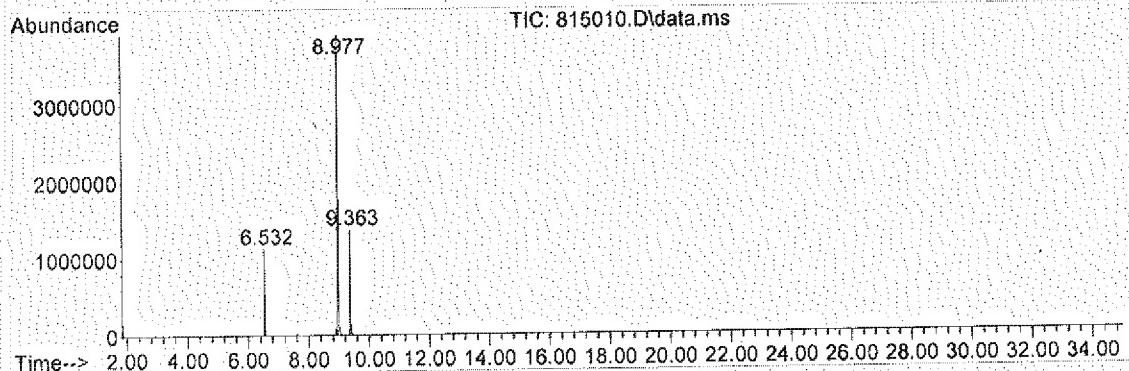
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO  
Vial Number : 10  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.532	1078440	11.22	15.92
8.977	6775726	70.52	100.00
9.363	1753896	18.25	25.88

## Area Percent / Library Search Report

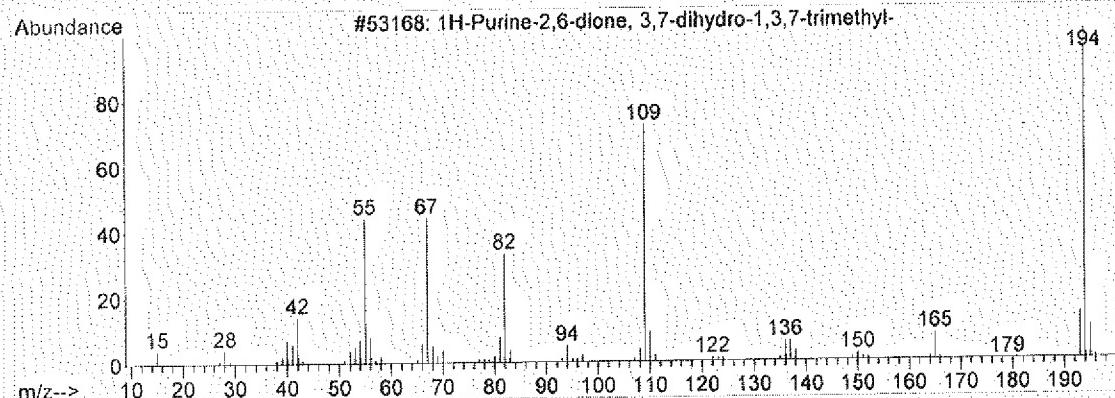
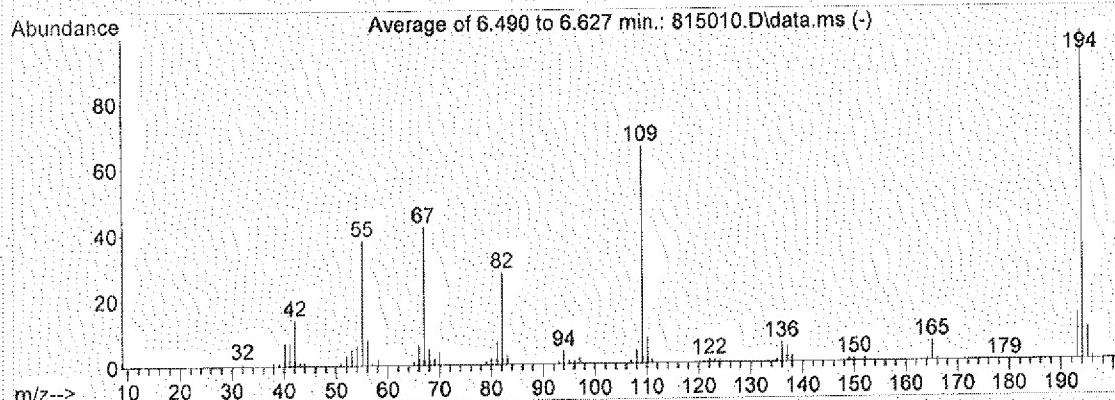
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO  
Vial Number : 10  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.53	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96



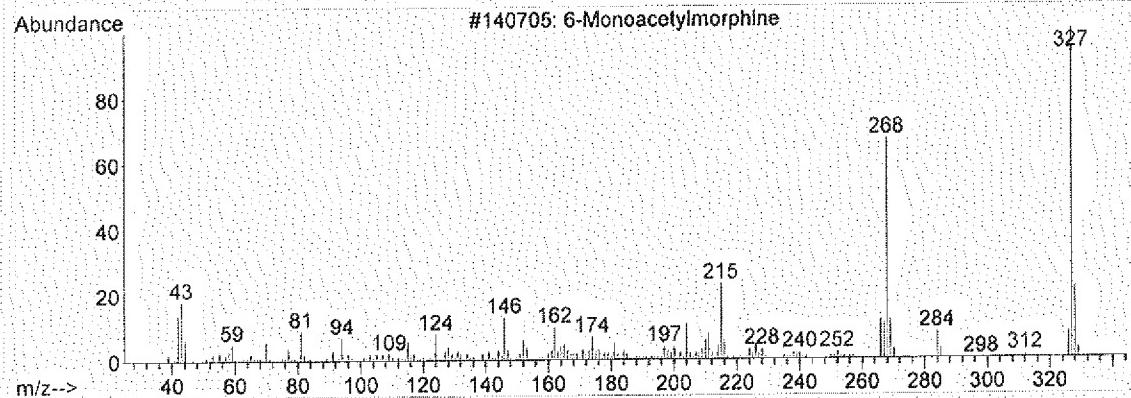
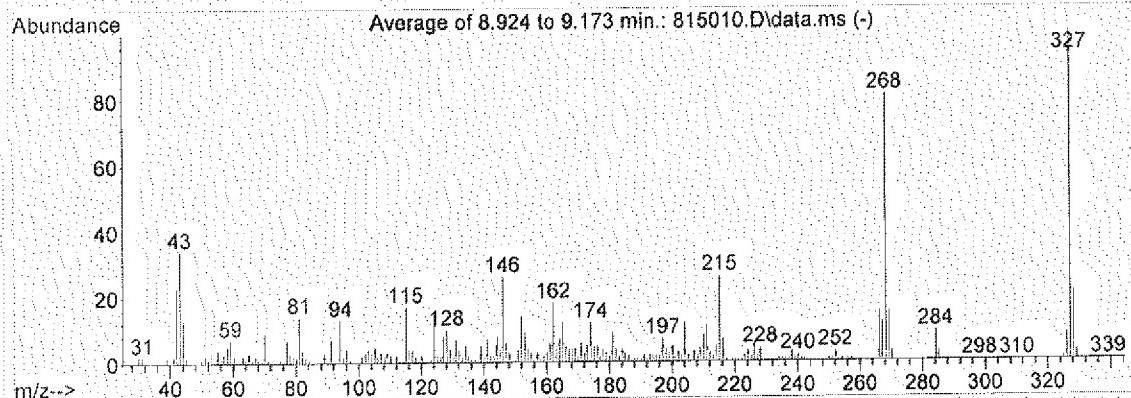
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO  
Vial Number : 10  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	8.98	C:\Database\NIST05a.L		
		6-Monoacetylmorphine	002784-73-8	99
		6-Monoacetylmorphine	002784-73-8	99
		6-Monoacetylmorphine	002784-73-8	91



Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815010.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 14:45

Submitted by : P.PIRO

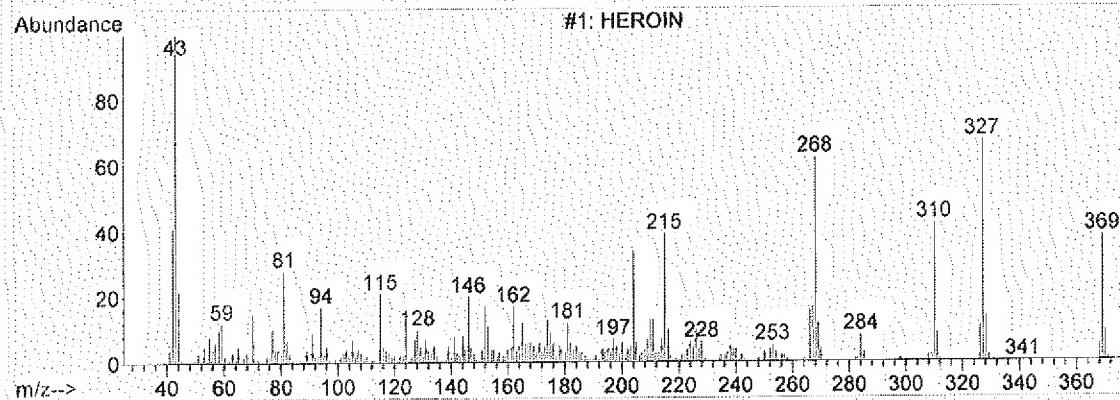
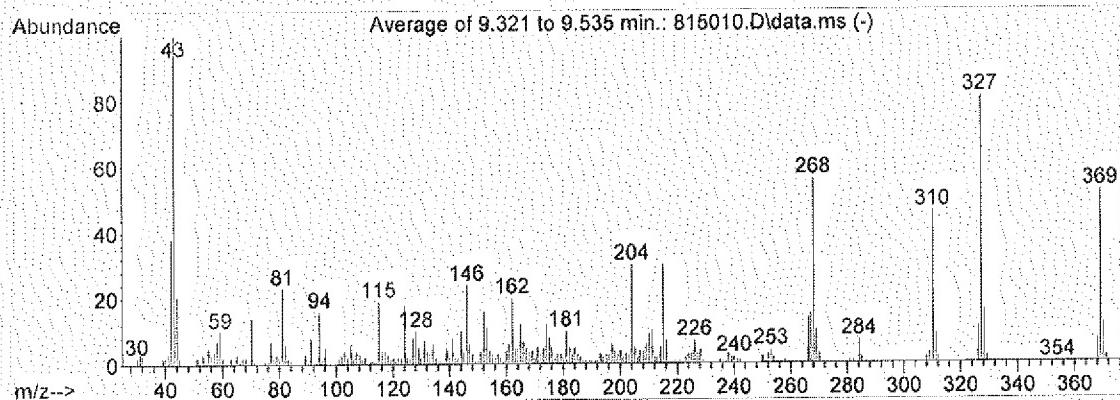
Vial Number : 10

AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	9.36	C:\Database\SLI.L HEROIN	000561-27-3	99



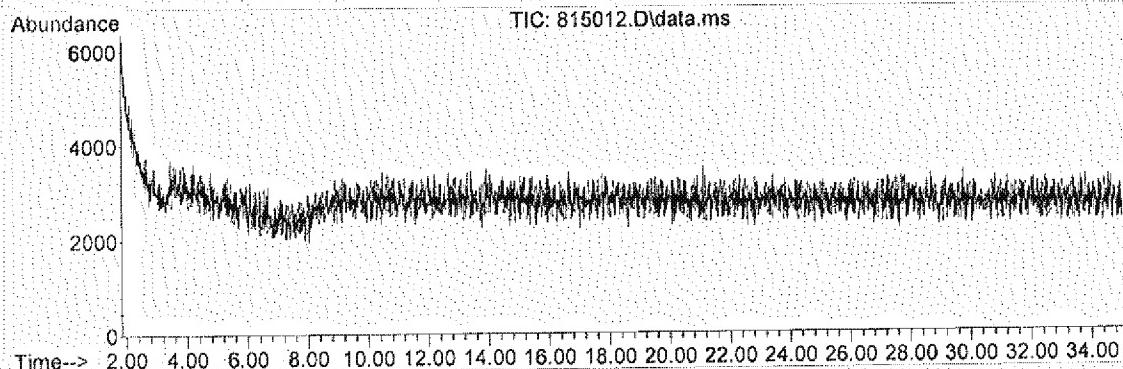
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815012.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 16:04  
Sample Name : BLANK  
Submitted by : P.PIRO  
Vial Number : 1  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Area Percent / Library Search Report

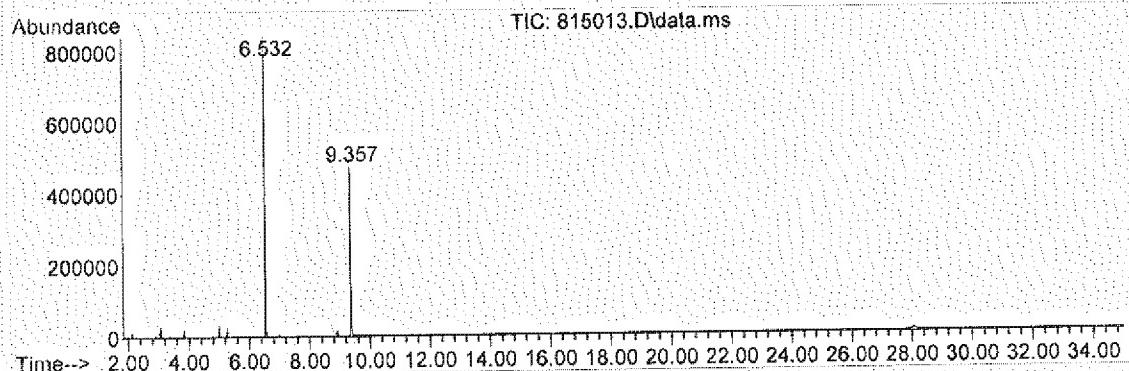
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Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO  
Vial Number : 13  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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6.532	769611	56.08	100.00
9.357	602726	43.92	78.32

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## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO

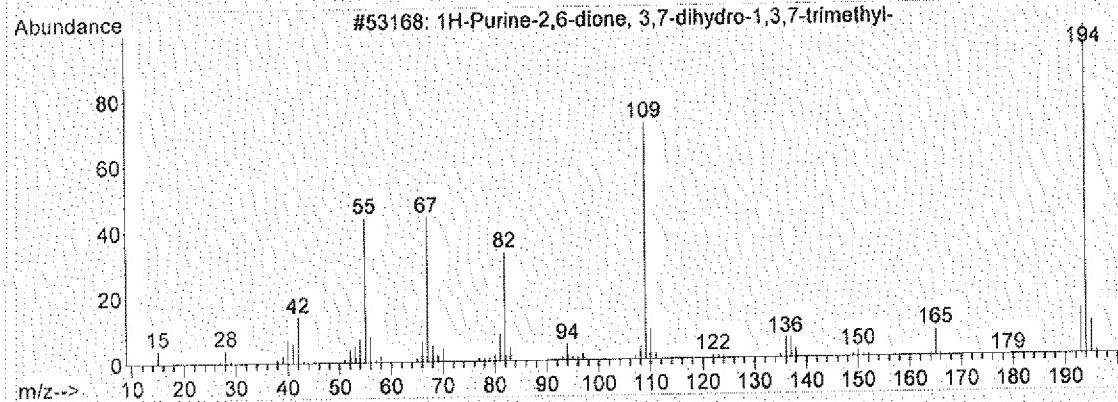
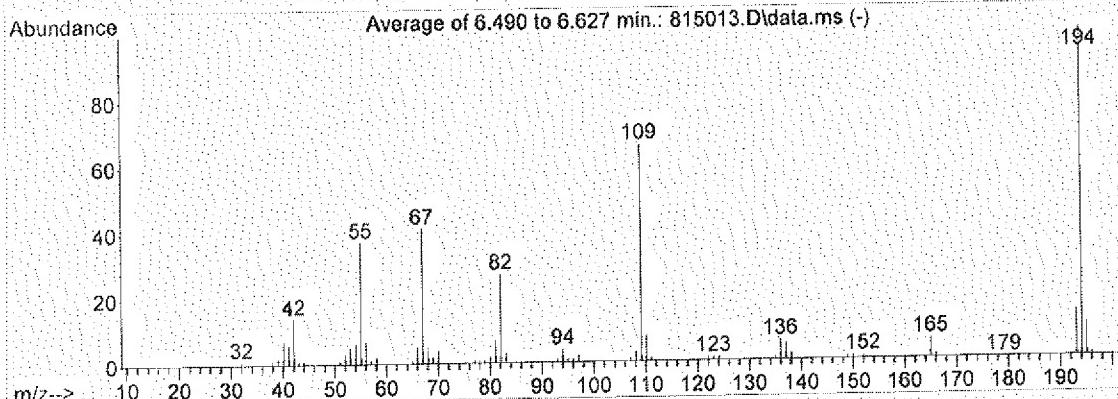
Vial Number : 13

AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.53	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96



Area Percent / Library Search Report

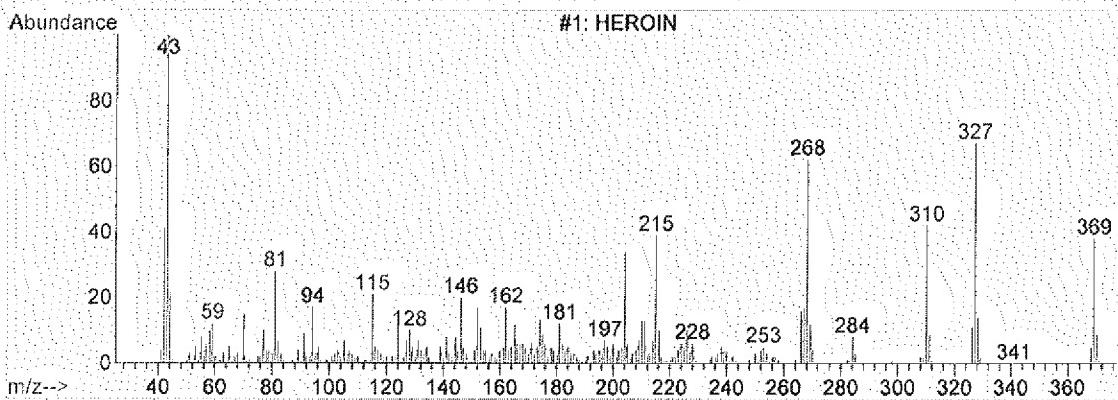
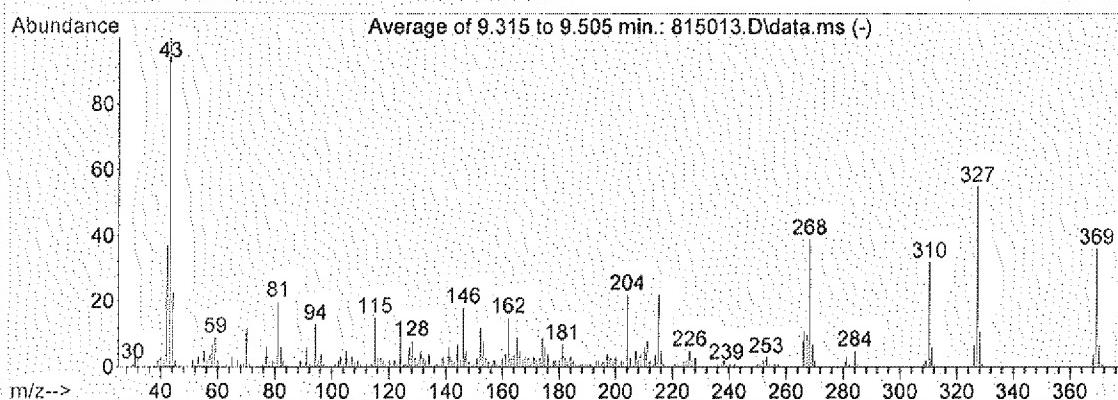
Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815013.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 16:43

Submitted by : P.PIRO  
Vial Number : 13  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

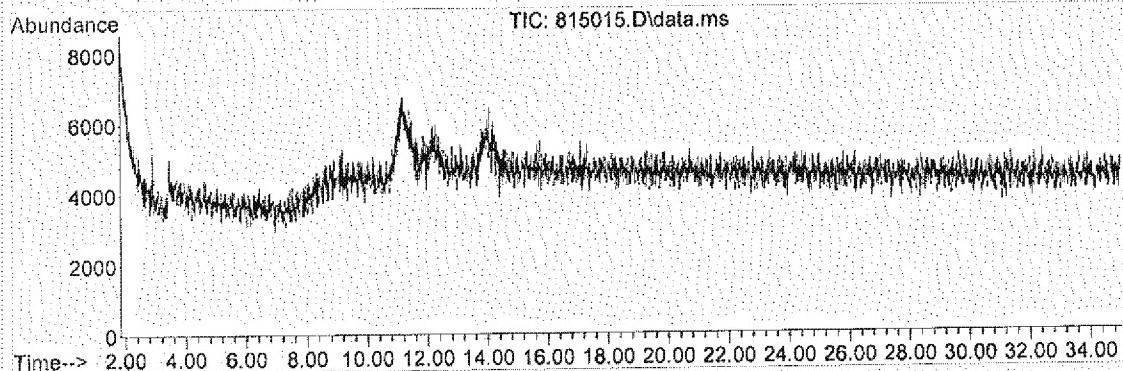
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	9.36	C:\Database\SLI.L HEROIN	000561-27-3	91



## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815015.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:01  
Sample Name : BLANK  
Submitted by : P.PIRO  
Vial Number : 1  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



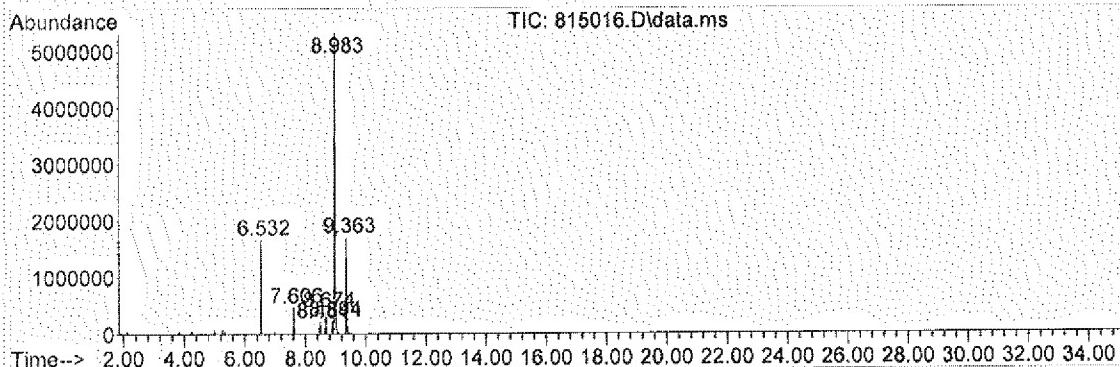
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO  
Vial Number : 16  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.532	1758735	9.93	14.64
7.606	518897	2.93	4.32
8.484	212713	1.20	1.77
8.674	516702	2.92	4.30
8.894	319090	1.80	2.66
8.983	12011516	67.85	100.00
9.363	2365474	13.36	19.69

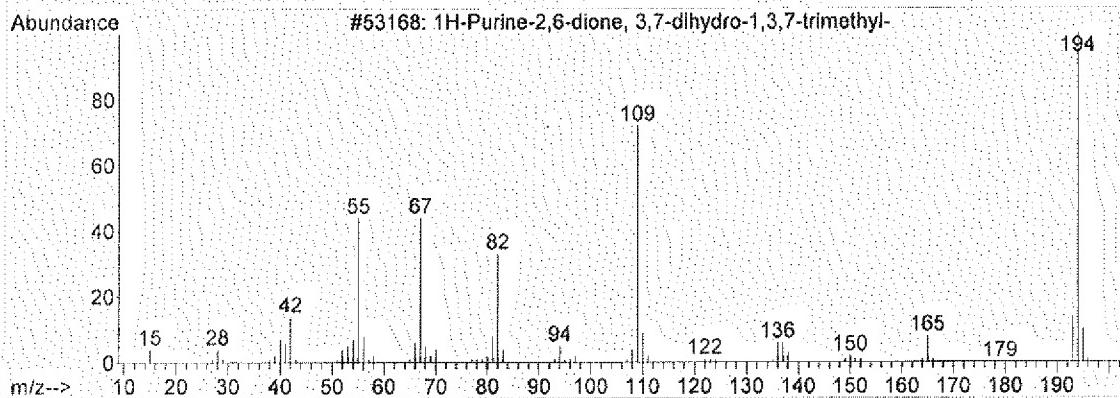
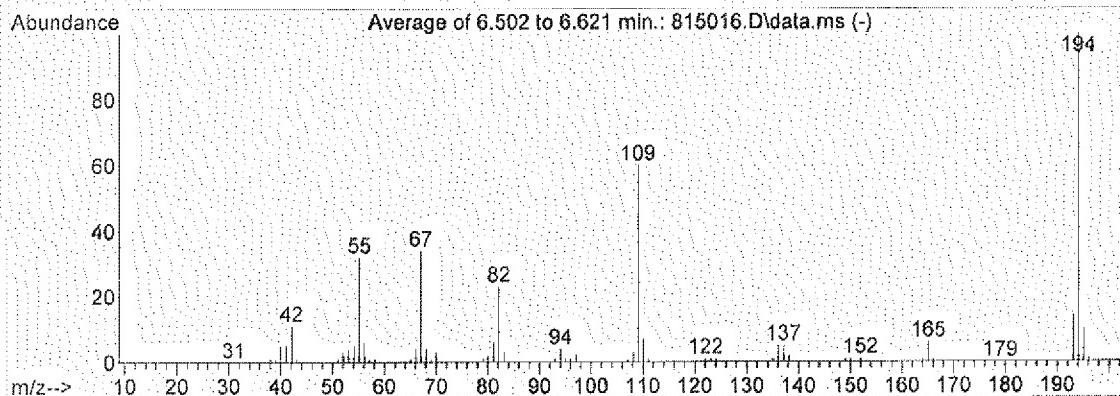
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO  
Vial Number : 16  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.53	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	97
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96



## Area Percent / Library Search Report

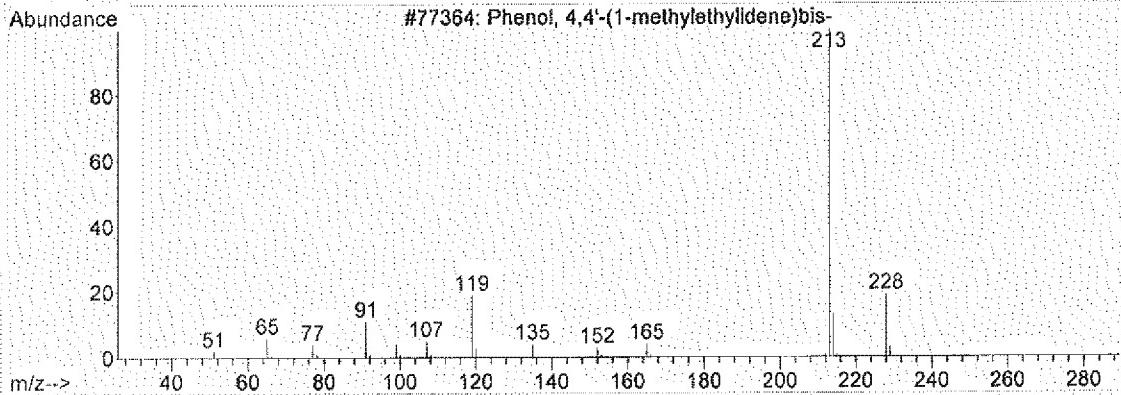
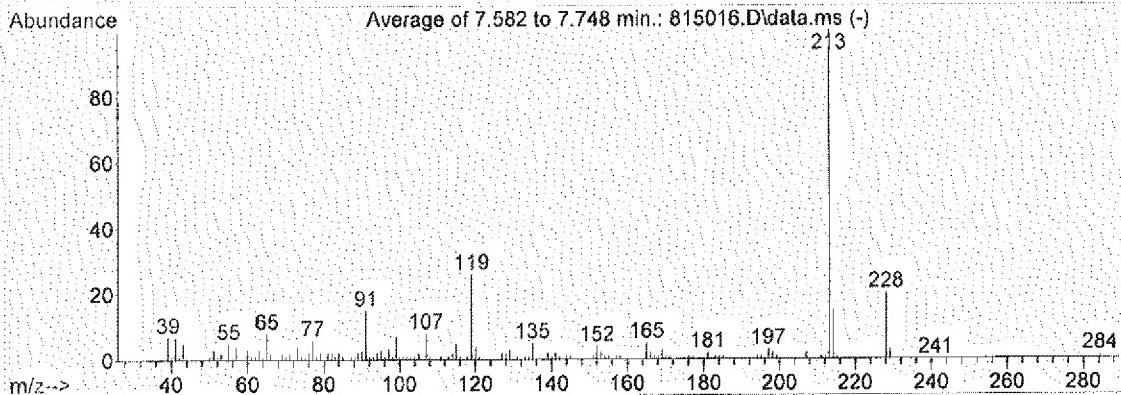
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO  
Vial Number : 16  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	7.61	C:\Database\NIST05a.L		
		Phenol, 4,4'-(1-methylethylidene)bi	000080-05-7	98
		Phenol, 4,4'-(1-methylethylidene)bi	000080-05-7	98
		Phenol, 4,4'-(1-methylethylidene)bi	000080-05-7	95



## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO

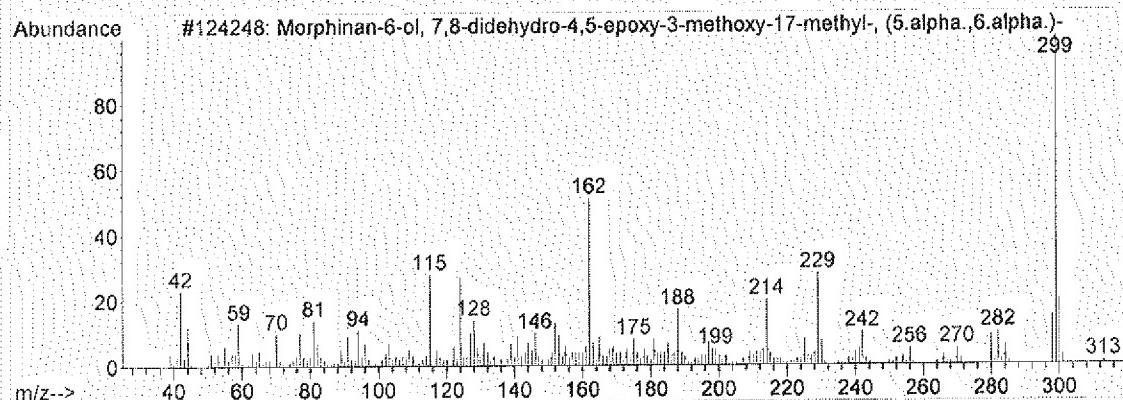
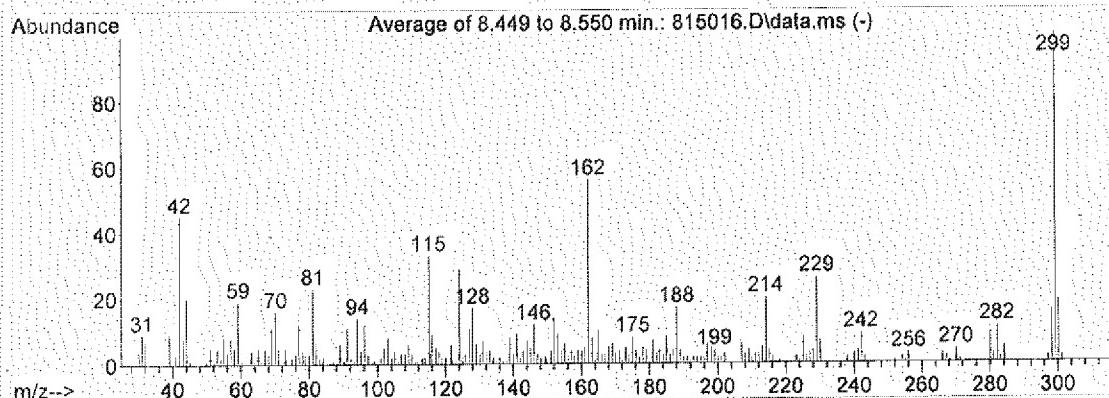
Vial Number : 16

AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	8.48	C:\Database\NIST05a.L		
		Morphinan-6-ol, 7,8-didehydro-4,5-e	000076-57-3	99
		Morphinan-6-ol, 7,8-didehydro-4,5-e	000076-57-3	99
		Morphinan-8-ol, 6,7-didehydro-4,5-e	000509-55-7	97



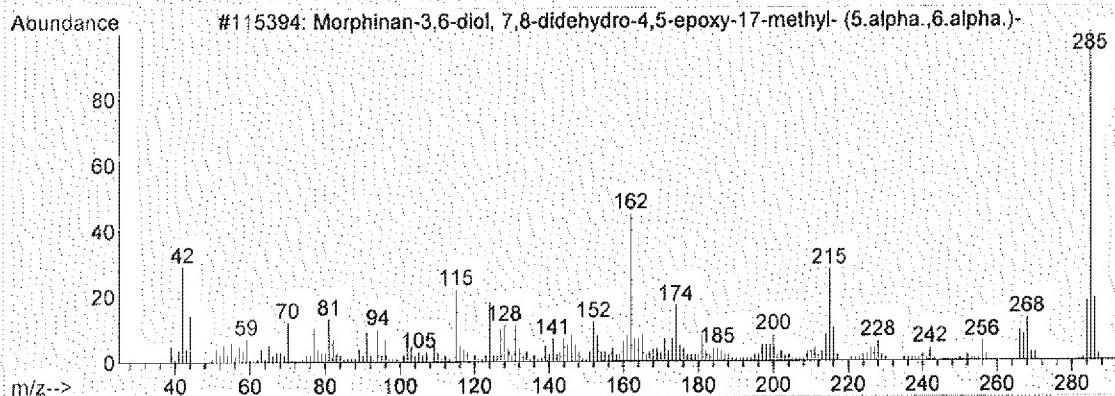
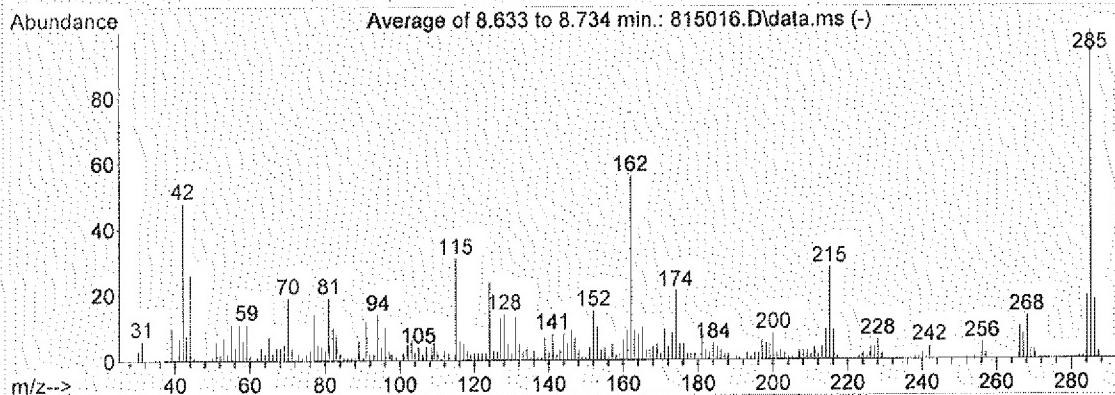
## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO  
Vial Number : 16  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	8.67	C:\Database\NIST05a.L		
		Morphinan-3,6-diol, 7,8-didehydro-4	000057-27-2	99
		Morphinan-3,6-diol, 7,8-didehydro-4	000057-27-2	99
		Morphinan-3,6-diol, 7,8-didehydro-4	000057-27-2	97



## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO

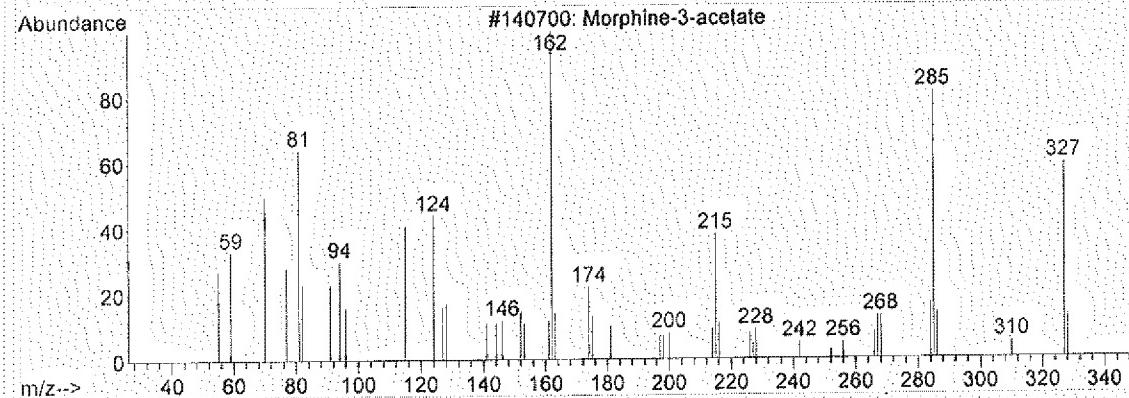
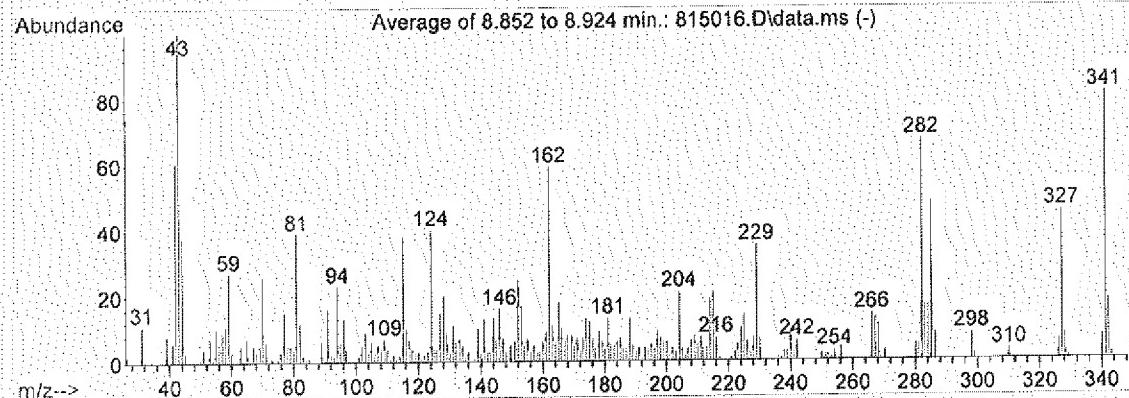
Vial Number : 16

AcquisitionMeth: SCREEN.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	8.89	C:\Database\NIST05a.L		
		Morphine-3-acetate	005140-28-3	97
		Morphinan-6-ol, 7,8-dihydro-4,5-e	006703-27-1	97
		Morphin, 3-acetyl-	1000153-00-1	96



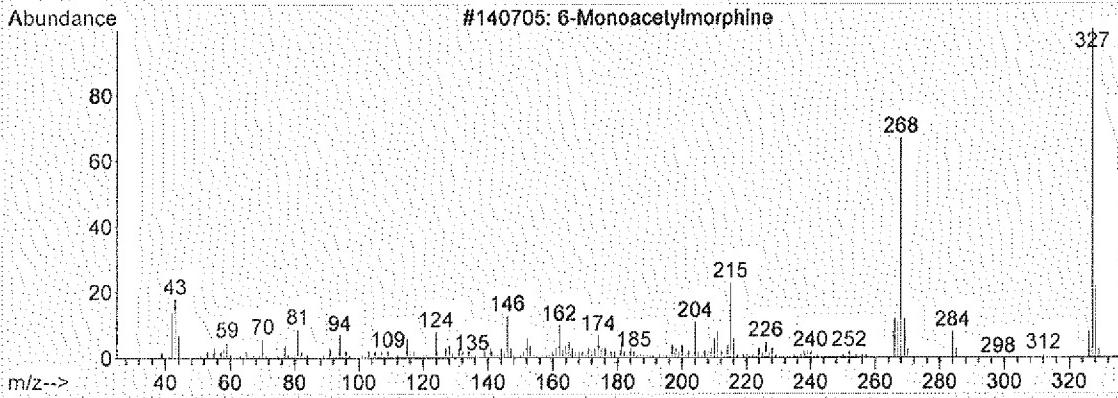
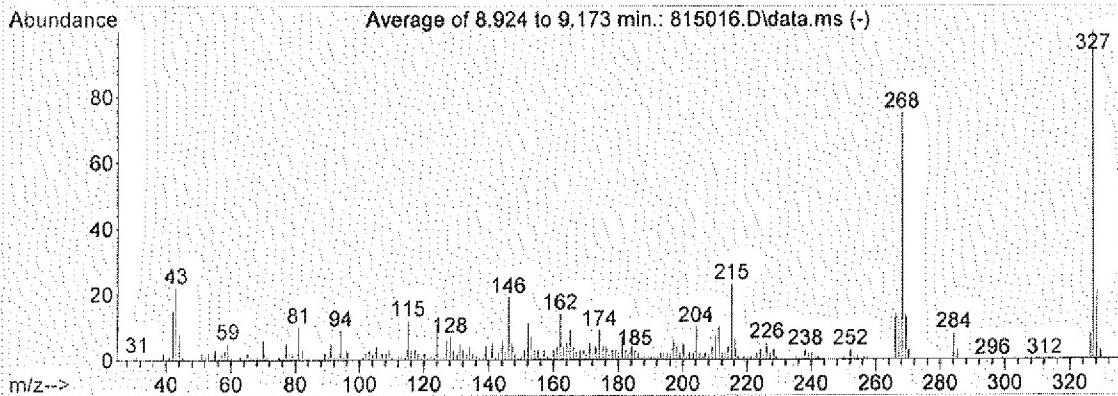
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File Name : C:\msdchem\1\System7\01\_26\_12\815016.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO  
Vial Number : 16  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
6	8.98	C:\Database\NIST05a.L		
		6-Monoacetylmorphine	002784-73-8	99
		6-Monoacetylmorphine	002784-73-8	99
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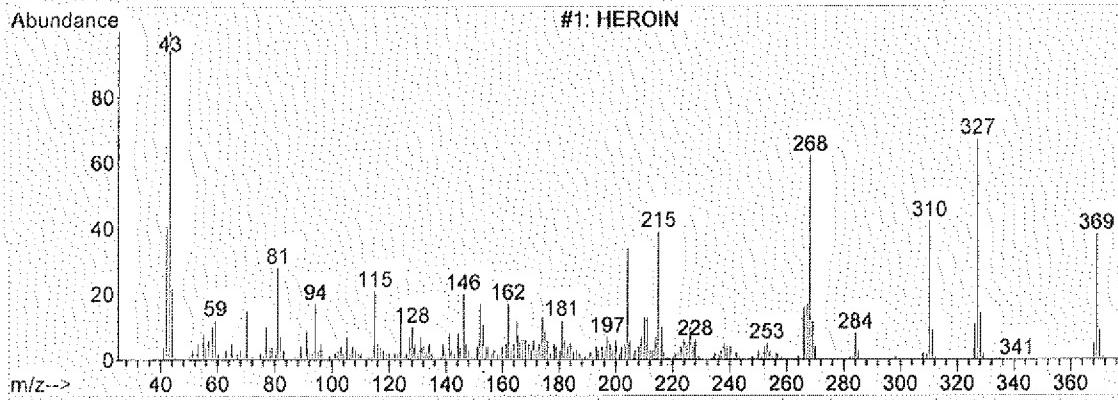
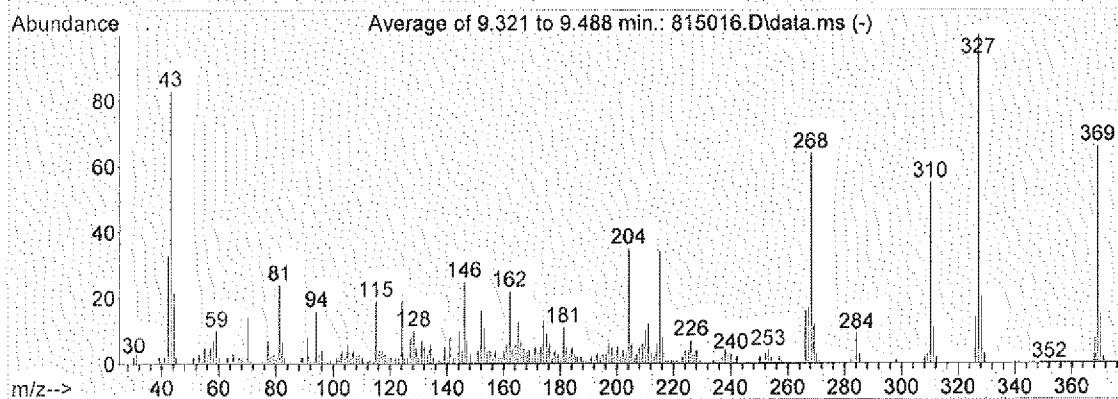
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Operator : KAC  
Date Acquired : 26 Jan 2012 18:40

Submitted by : P.PIRO  
Vial Number : 16  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

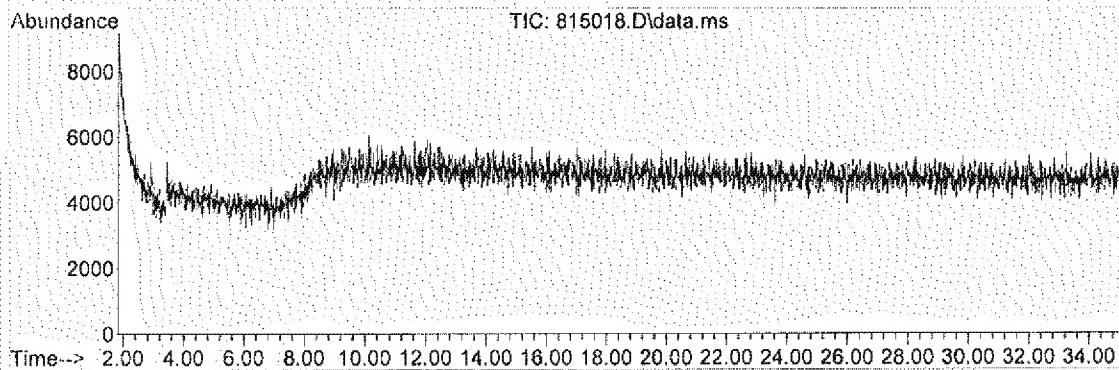
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C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
7	9.36	C:\Database\SLI.L HEROIN	000561-27-3	99



## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815018.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 19:59  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

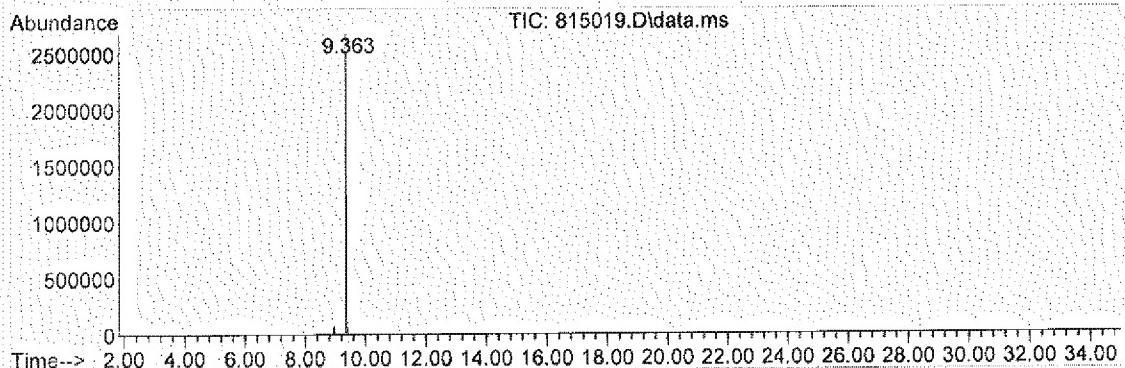


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815019.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 20:38  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 19  
AcquisitionMeth: SCREEN.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
9.363	3519100	100.00	100.00

## Information from Data File:

File Name : C:\msdchem\1\System7\01\_26\_12\815019.D  
Operator : KAC  
Date Acquired : 26 Jan 2012 20:38  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 19  
AcquisitionMeth: SCREEN.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	9.36	C:\Database\SLI.L HEROIN	000561-27-3	99

